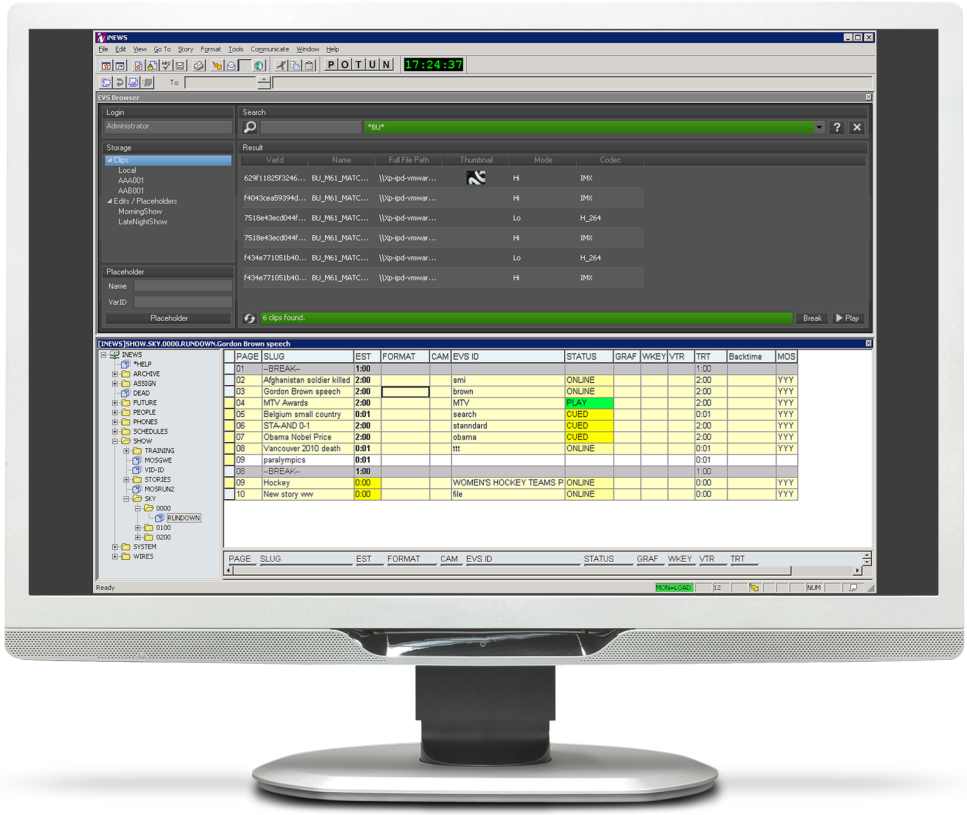
USER MANUAL

IPMOSBrowser

Version 6.70.00 - August 2015



IP.MOSBrowser

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What's New?

No section has been updated in the manual of IPMOSBrowser 6.70.00 (compared to version 6.60).

1. Introduction

1.1. About IPMOSBrowser

The IPMOSBrowser, is an ActiveX control or plug-in that integrates with your Newsroom Computer System (NCS) and that functions as interface with IPDirector.

It allows you to search for clips and edits in the IPDirector database, load and preview a low-resolution version of the clips in an ActiveX software player and link the clips and edits to a slug or story in a rundown by a simple drag-and-drop operation. It also lets you create and add placeholders for clips that do not exist yet in the IPDirector database.

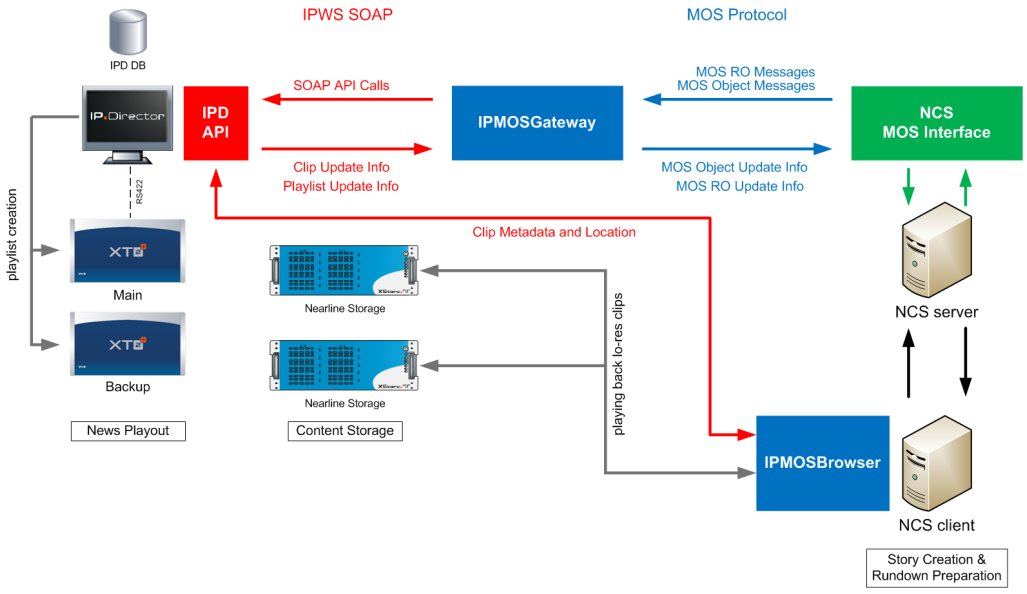
IPMOSBrowser is compatible with IPDirector 06.70.

IPMOSBrowser is compatible with the following newsroom computer systems:

- Avid iNews 4.0
- AP ENPS ® 7.2
- Octopus ® 7.0
- Annova Systems OpenMedia ® 3.6.2.1425
- Ross Video Inception News ® 8.1

1.2. Workflow

The schema below illustrates the IPMOSBrowser workflow in the NCS.



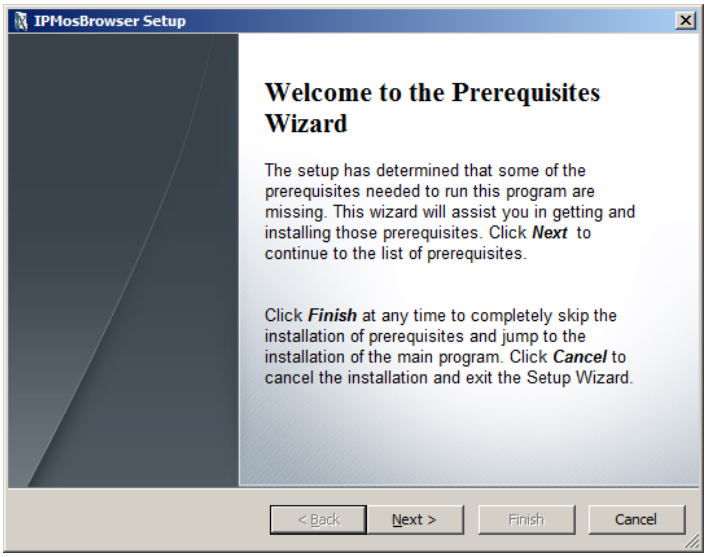
2. Installing IPMOSBrowser

2.1. How to Install IPMOSBrowser

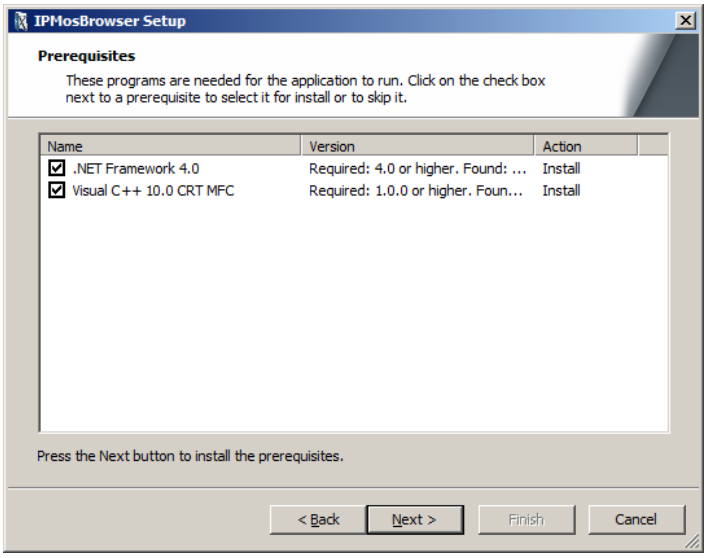
To install IPMOSBrowser, proceed as follows:

1. Double-click the `IPMosBrowser.exe` to launch the IPMOSBrowser Setup Wizard.

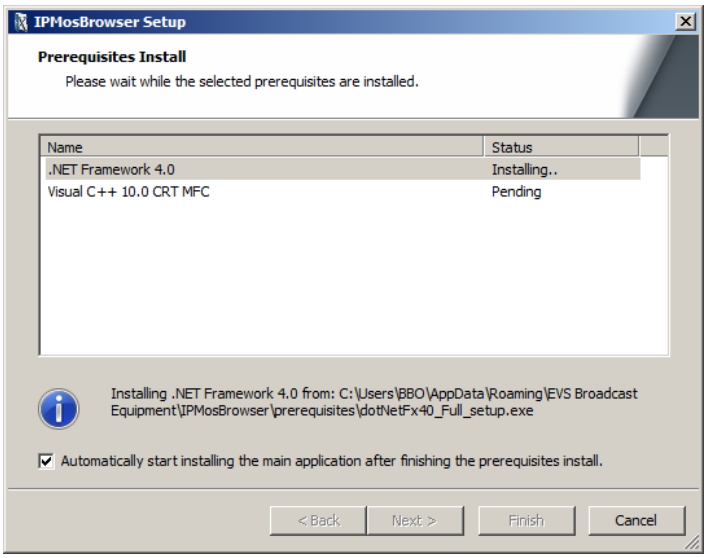
   If the .NET Framework 4.0 and/or Visual C++ 10.0 CRT MFC are not installed yet, the Prerequisites Wizard appears. Continue to step 2.



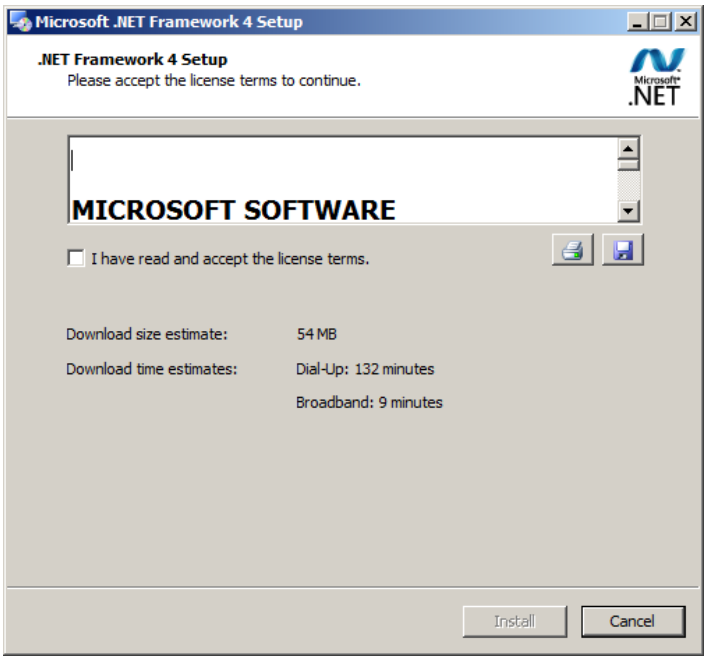
2. Click **Next** to continue.
3. Select the check box of the prerequisite(s) to install and click **Next** to continue.



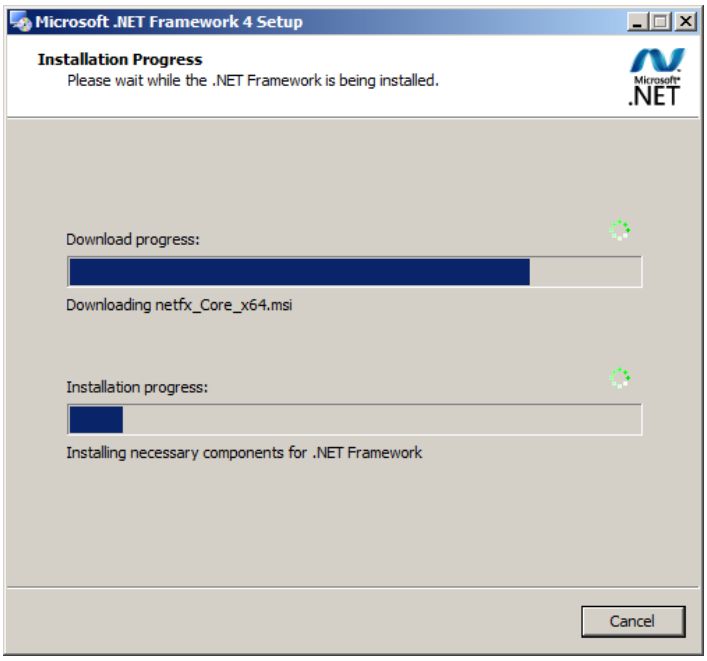
   The first prerequisite you have selected is being installed, in this example the .NET Framework 4.0.



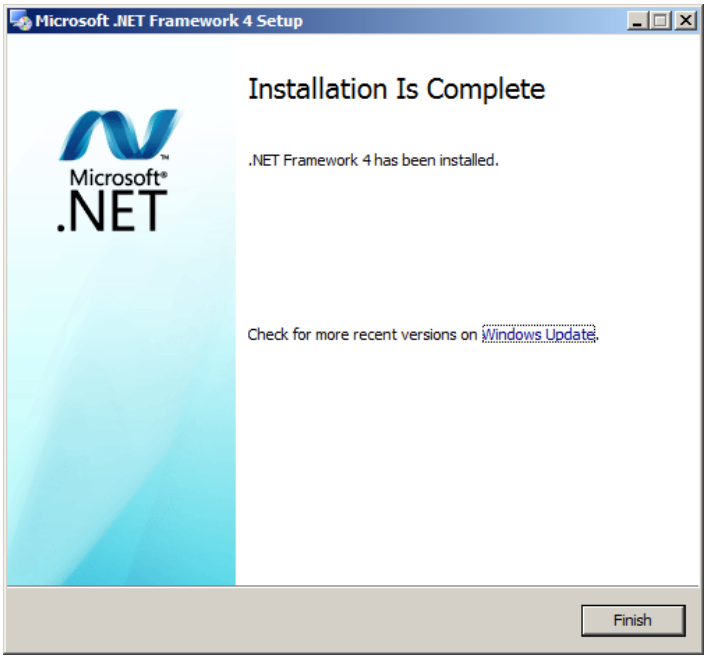
4. Accept the license terms and click **Install** to continue.



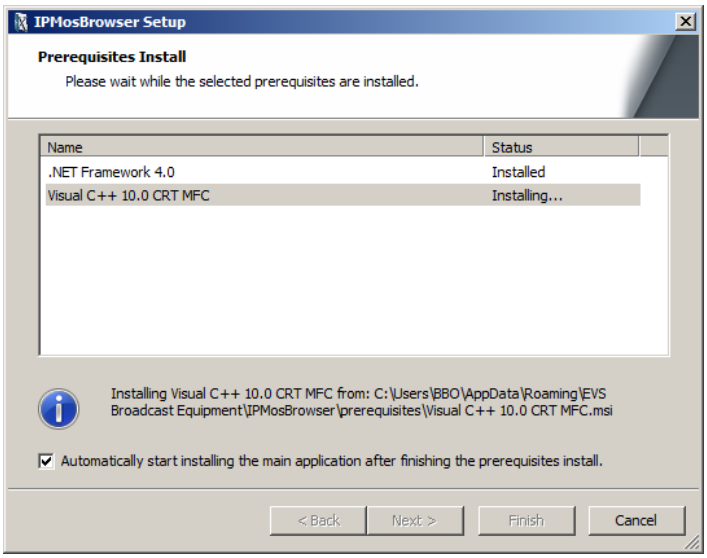
The .NET Framework is being installed.



5. Click **Finish** to continue.



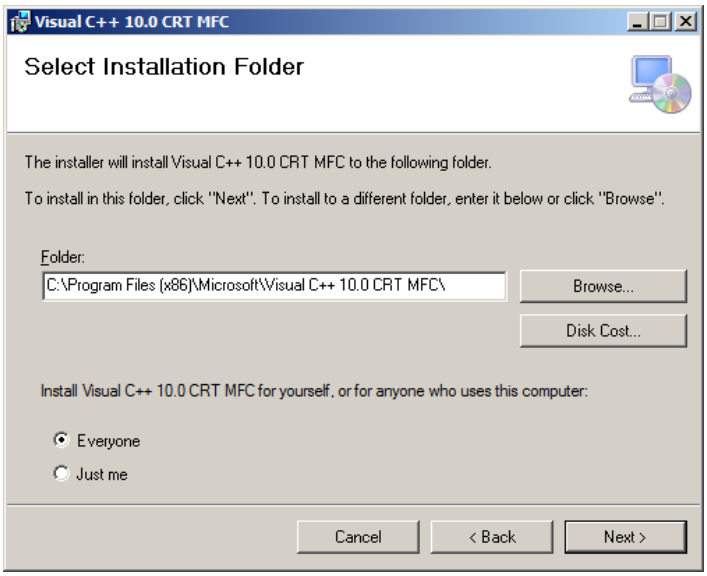
If selected, the IPMOSBrowser installer will start installing the second prerequisite, in the example the Visual C++ 10.0 CRT MFC.



The Visual C++ 10.0 CRT MFC installation wizard appears.

6. Click **Next** to continue.

   The Select Installation Folder screen appears.



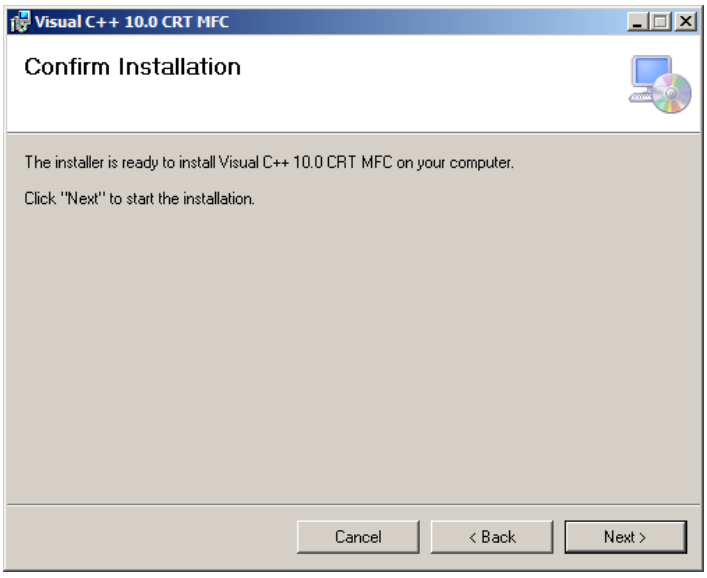
7. Select the installation folder.

   By default, the redistributable will be installed in the following folder:

   - `C:\Program Files\Microsoft\VisualC++ 10.0 CRT MFC\` (for 32-bit machines)
   - `C:\Program Files (x86)\Microsoft\VisualC++ 10.0 CRT MFC\` (for 64-bit machines).

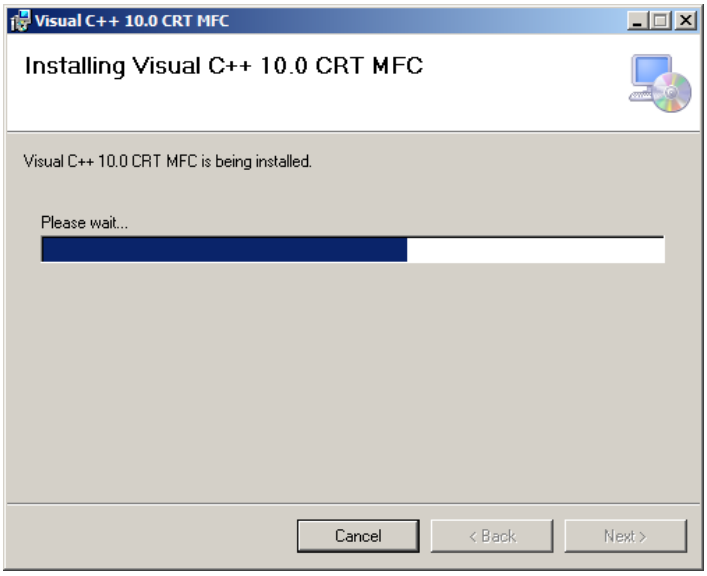
8. Click **Next** to continue.

   The Confirm Installation screen appears.



9. Click **Next** to continue.

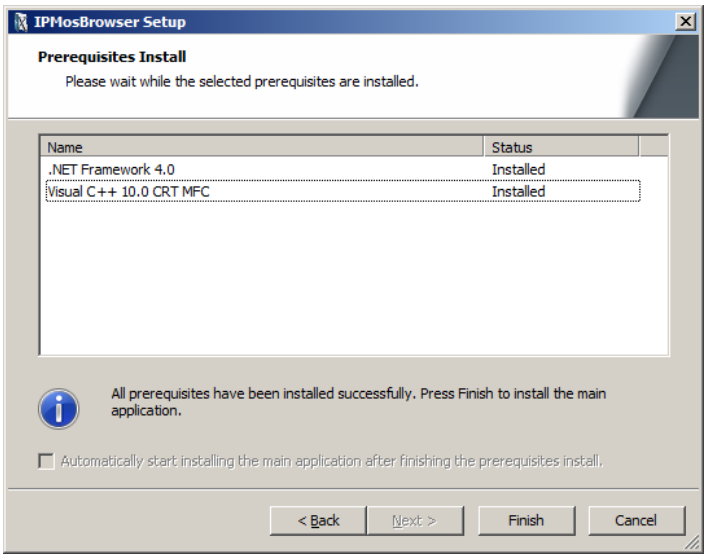
   The Visual C++ 10.0 CRT MFC is being installed.



   Once the installation has been completed, the Installation Complete screen appears.

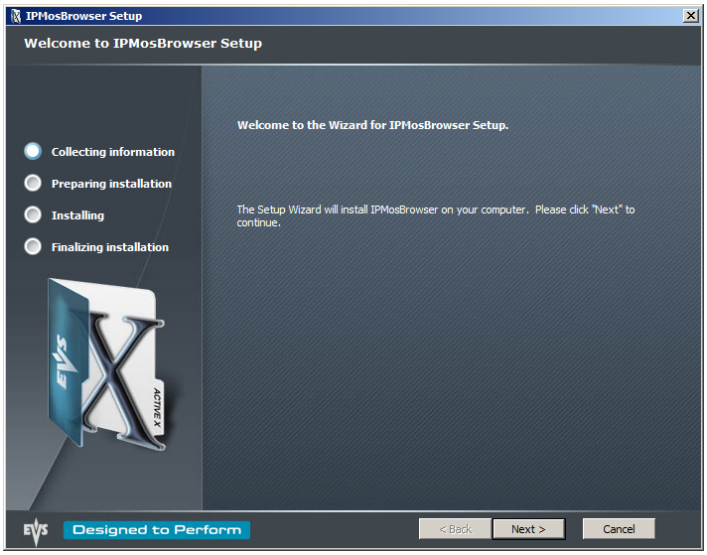
10. Click **Close** to continue.

    An overview of the installed prerequisites appears.



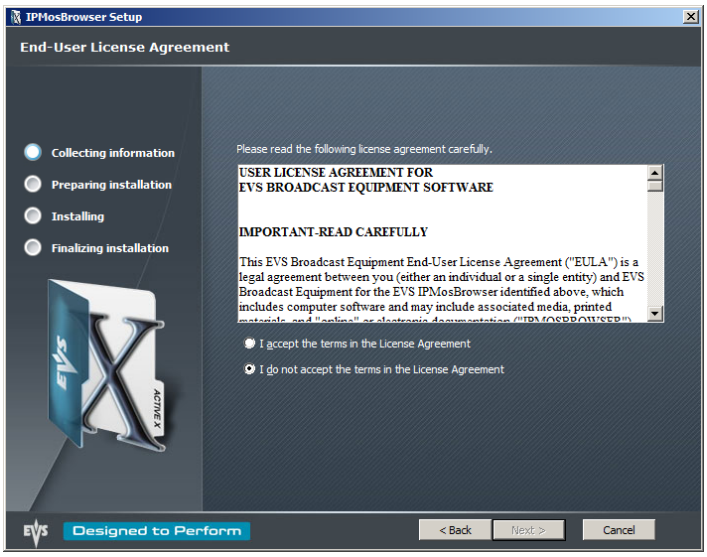
11. Click **Finish** to complete the installation of the prerequisites.

    The Welcome screen of the IPMOSBrowser installation wizard appears.



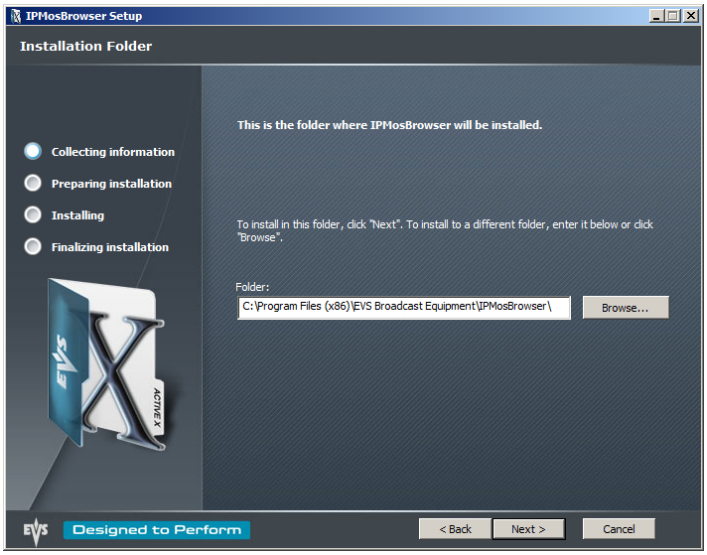
12. Click **Next** to continue.

    The End-User License Agreement screen appears.



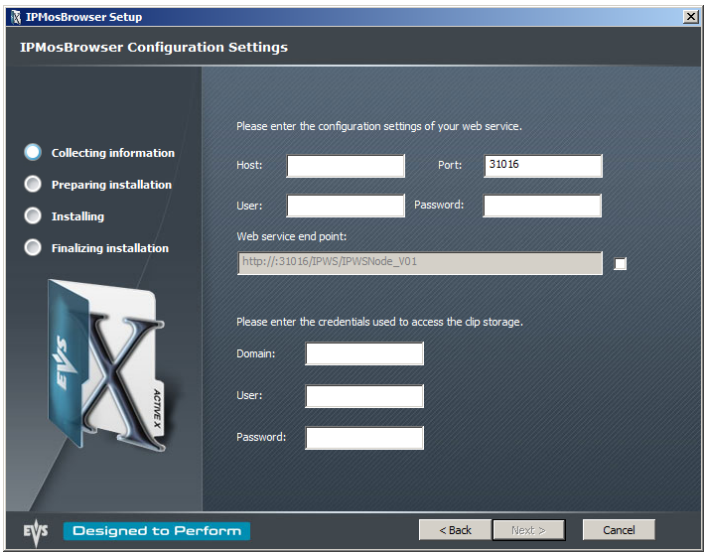
13. Read the license agreement on using IPMOSBrowser in your country. Accept the agreement and click **Next** to continue.

    The Installation Folder screen appears.



14. Select the folder where the application has to be installed and click **Next** to continue. By default, the IPMOSBrowser will be installed in the following folder: `C:\Program Files\EVS Broadcast Equipment\IPMOSBrowser\` (for 32-bit) or `C:\Program Files (x86)\EVS Broadcast Equipment\IPMOSBrowser\` (for 64-bit).

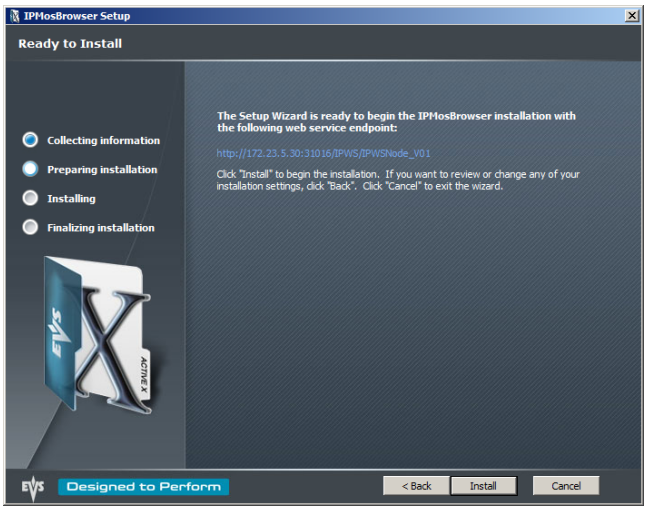
    The IPMOSBrowser Configuration Settings screen appears.



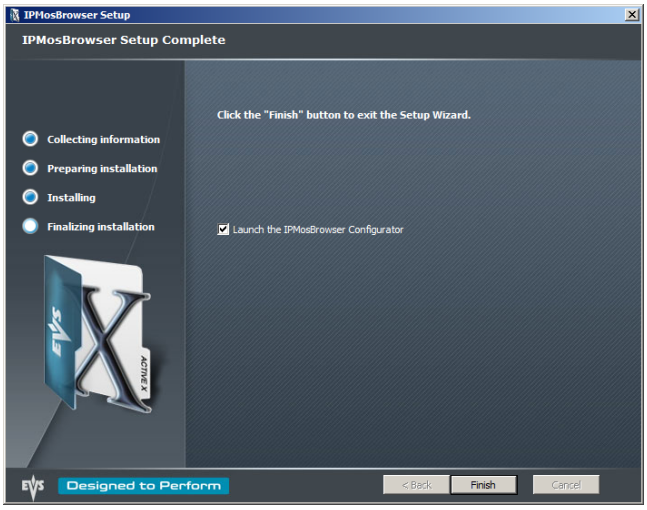
15. Enter the following information:
    - **Host**: IP address of the server that hosts the IPDirector SOAP API.
    - **Port**: Port number on which the IPDirector SOAP API service listens.
    - **User**: IPDirector username used to connect to the IPDirector SOAP API.
    - **Password**: Password necessary to log into the IPDirector SOAP API.
16. (Optional) Select the **Web Service Endpoint** check box to activate the field and modify the URL of the IPDirector SOAP API.
17. (Optional) To be able to launch the MOS ActiveX Player in the IPMOSBrowser with a user account that has the necessary rights to access the location(s) where the low-resolution video files are stored you want to preview in the MOS ActiveX Player without having to log in as administrator, enter the following information:
    - **Domain**: name of the domain you want to log into.
    - **User**: username used to log into the domain.
    - **Password**: password used to log into the domain.

Note
If the user has access to the location where the low-resolution video files are stored with his user account, these fields should be left empty.

18. Click **Next** to continue.
19. Click **Install** to start the installation.



20. Click **Finish** when the installation has been completed.



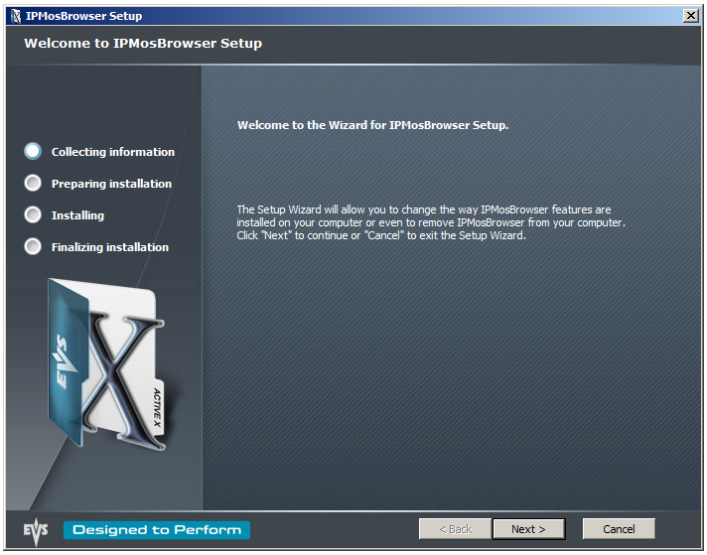
By default, the IPMOSBrowserConfigurator will be launched. Deselect the check box to prevent this.

2.2. How to Modify, Repair or Remove the Installation

To modify, repair or remove the installation of the application, proceed as follows:

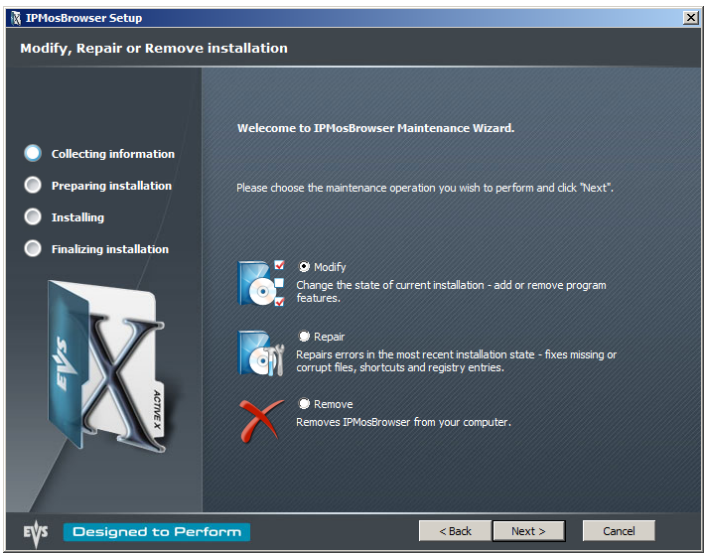
1. Double-click the `IPMosBrowser.exe` to launch the IPMOSBrowserMaintenance Wizard.

   The Welcome screen appears.



2. Click **Next** to continue.

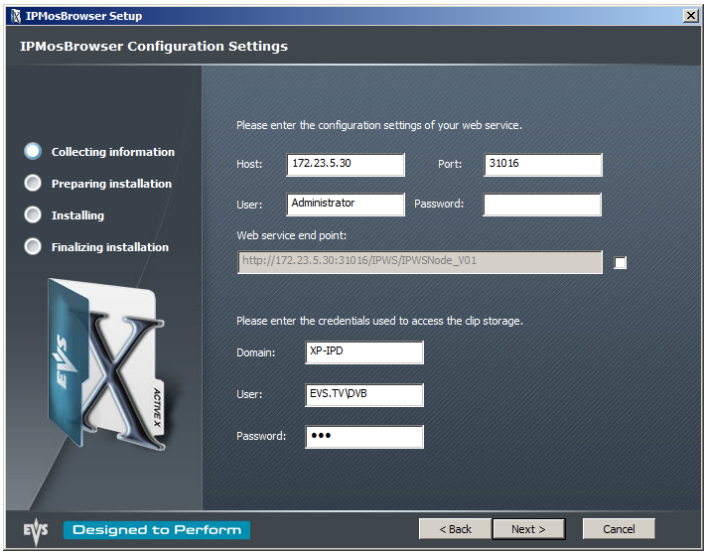
   The Modify, Repair or Remove Installation screen appears.



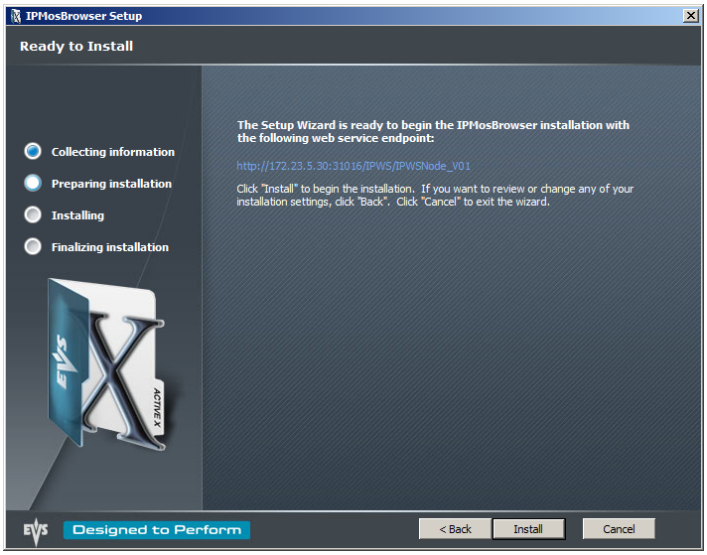
3. Do one of the following:
   - If you want to modify the configuration settings of the IPDirector SOAP API or the credentials to access the storage of the low-resolution files, select **Modify**, and click **Next**. Continue to step 4.

- If you want to repair the IPMOSBrowser installation, e.g. fixing missing or corrupt files, shortcuts and registry entries, select **Repair** and click **Next**. Continue to step 6.
- If you want to remove the IPMOSBrowser installation, select **Remove** and click **Next**. Continue to step 7.

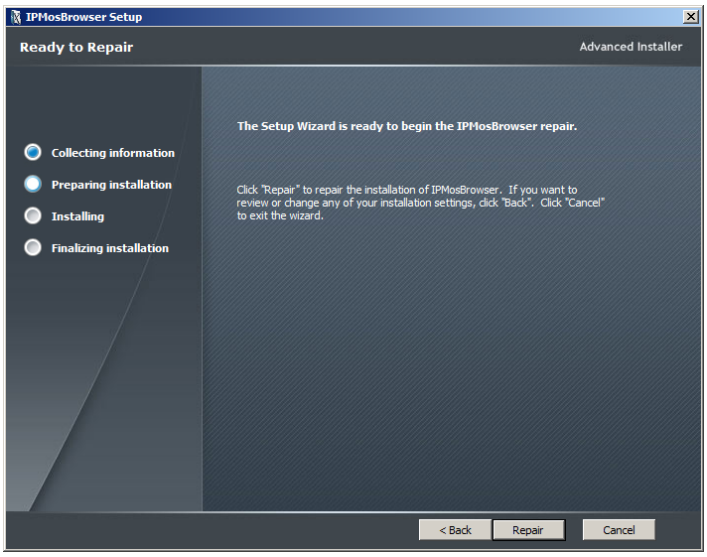
4. Modify the necessary information and then click **Next**.



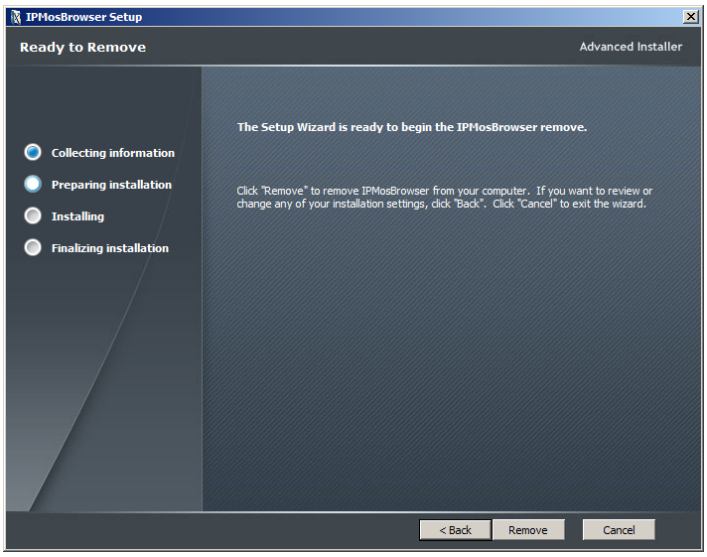
5. Click **Install**.



6. Click **Repair** to repair the installation of IPMOSBrowser. Continue to step 8.



7. Click **Remove** to remove IPMOSBrowser from your computer.



8. Click **Finish** to exit the Setup Wizard.

3. Configuring IPMOSBrowser

3.1. IPMOSBrowser Configurator

3.1.1. Launching the IPMOSBrowser Configurator

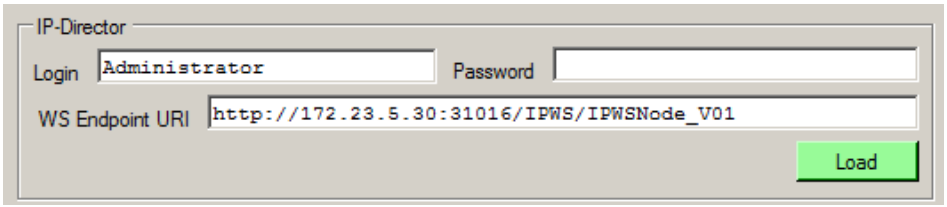
By default, the IPMOSBrowser Configurator is automaticallly launched after the installation of IPMOSBrowser has been completed.

You can also launch the IPMOSBrowser Configurator by double-clicking its executable file. By default, the IPMOSBrowser Configurator is installed in the following directory: `C:\Program Files (x86)\EVS Broadcast Equipment\IPMOSBrowser` (for 64-bit) or `C:\Program Files\EVS Broadcast Equipment\IPMOSBrowser` (for 32-bit).

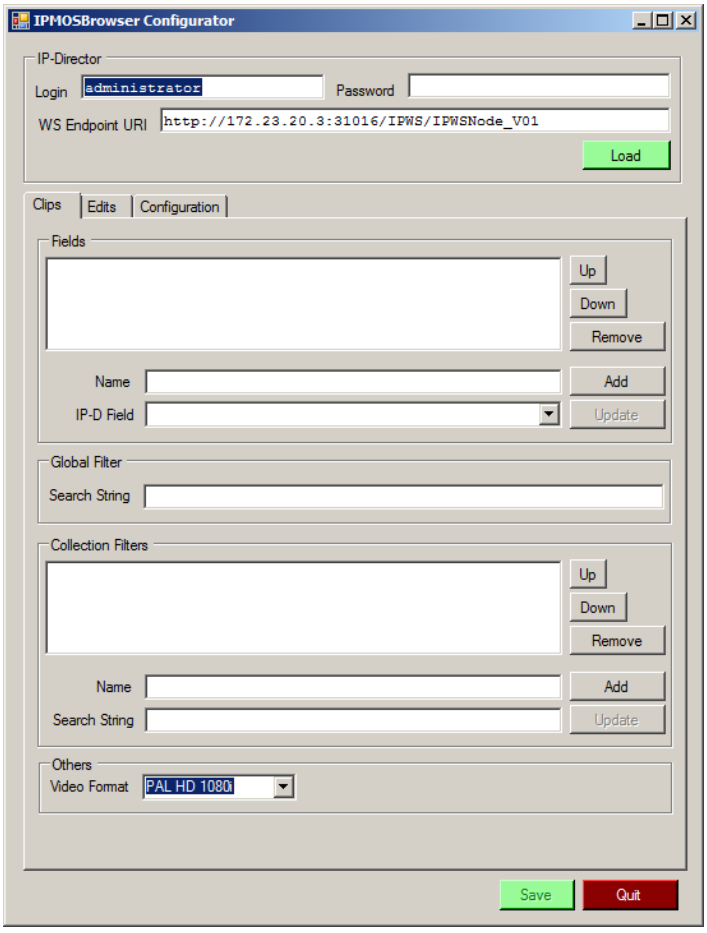
3.1.2. Configurator Interface

The IPMOSBrowser Configurator contains the following main areas:

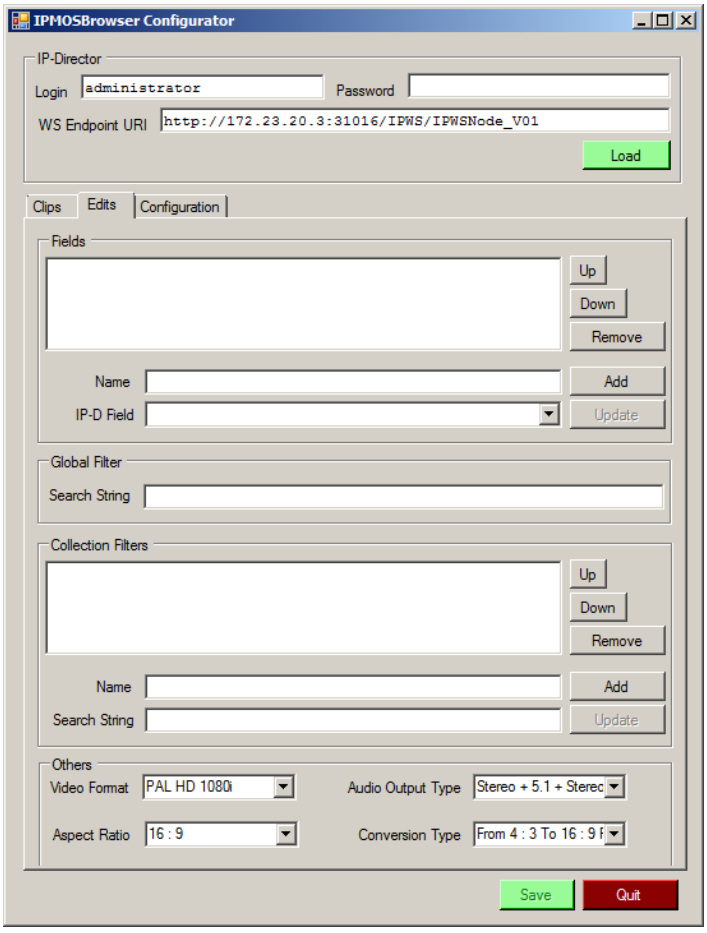
- The IP-Director group box contains the information necessary to make connection with the IPDirector SOAP API.



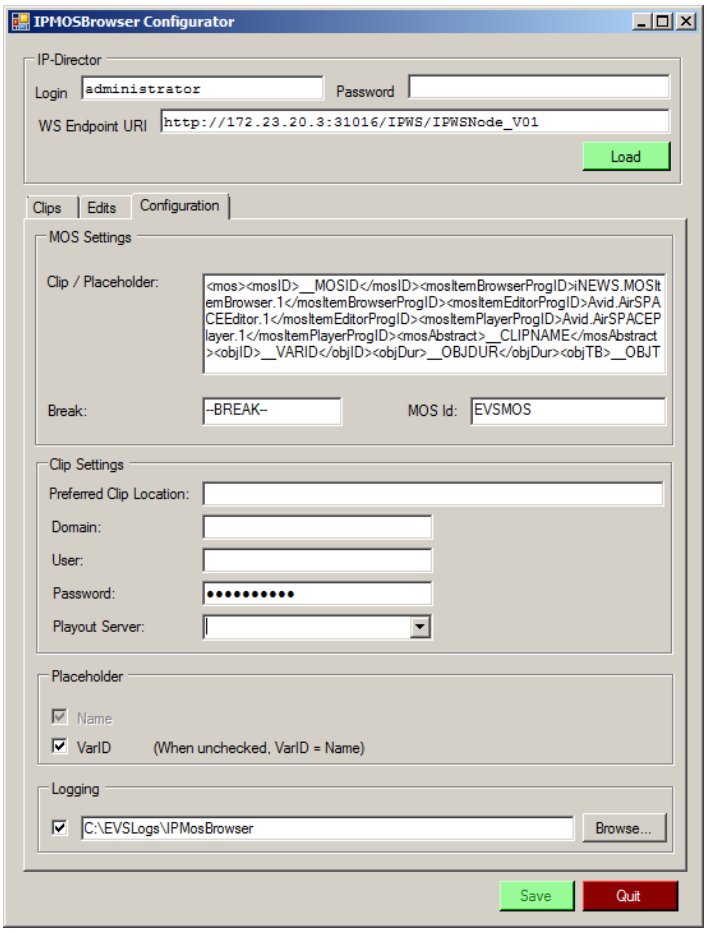
- The Clips tab is used to create search filters and to configure the display of clips in the Result pane of the IPMOSBrowser.



- The Edits tab is used to create search filters and to configure the display of edits in the Result pane of the IPMOSBrowser.

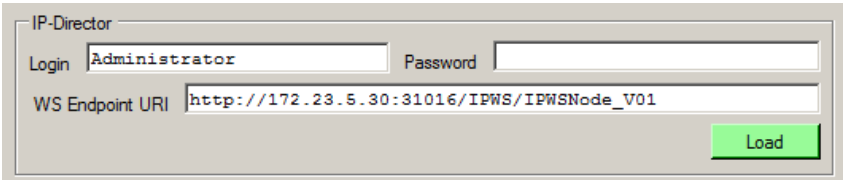


- The Configuration tab is used to configure the use of placeholders and breaks, the credentials the MOS ActiveX Player needs to log into the location where the low-resolution video files are stored, and the path of the folder where the IPMOSBrowser log files should be stored.



3.1.3. Connecting with the IPDirector SOAP API

The IP-Director group box contains the information necessary to make connection with the IPDirector SOAP API.



The IPDirector username used to log into the IPDirector SOAP API and the URL of the IPDirector SOAP API you entered in the IPMOSBrowser Installation Wizard will appear here. See section "How to Install IPMOSBrowser" on page 2.

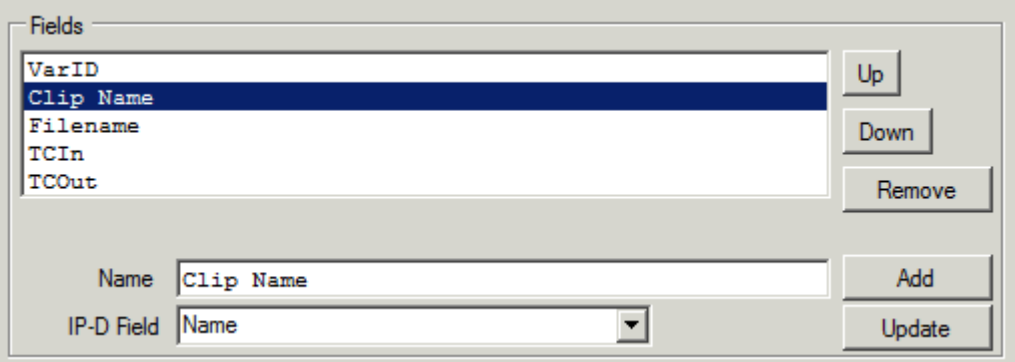
Enter the IPDirector password and click the **Load** button.

The IPMOSBrowser will connect with the IPDirector SOAP API. If columns and collection filters have already been added to the IPMOSBrowser Configurator in the past, these will be retrieved from the IPDirector database.

3.1.4. Adding Columns

Introduction

The Fields area in the Clips and Edits tab displays the columns shown in the Result pane of the IPMOSBrowser when you select the Clips or Edits node.



Each column can have its own name and is linked to a clip metadata field available through the IPDirector SOAP API.

IPDirector Clip Metadata

The table below gives an overview of the available clip metadata in IPDirector.

Name	Description	Datatype	Accepted Values
AspectRatio	The aspect ratio.	Enumeration	• N_A • AR_4_3_Letter_Box • AR_16_9 • AR_4_3_CROP • AR_1_1 • AR_221_1
AssetID	The guid of the Asset which the clip is part.	String	
AudioType	The audio type of the clip.	Enumeration	• N_A • No_Audio • Mono • Stereo • Dual_Stereo • _8_Mono • _16_Mono
CameraPref	The camera preference of the clip.	String	
Category		String	

Name	Description	Datatype	Accepted Values
Content Type		Enumeration	
CreatedInIPEdit	Indicates if the clip was created with IPEdit.	Boolean	• False • True
CreationDate	The creation date of the clip.	Date Time	
Duration	The duration of the clip.	String	
FileFormat		Enumeration	
FileGrowing		Boolean	• False • True
FileName	The file name for the File Clip.	String	
FillKeyType	The type of Fill and Key.	Enumeration	• Normal • Fill • Key
FullFilePath	The full file path for the File clip.	String	
GangID	The guid of the gang group.	String	
GangPos		String	
ID	The guid of the clip element	String	
InBins	The list of bins where the clip is.	List	
Is3D		Boolean	• False • True
KW	The keyword of the clip.	Keyword List	
LTCIn	The LTC In of the clip.	String	
LTCInDate	The LTC In date of the clip.	Date Time	
LTCLimitIn	The LTC Limit In of the clip.	String	
LTCLimitInDate	The LTC Limit In date of the clip.	Date Time	
LTCLimitOut	The LTC Limit out of the clip.	String	

Name	Description	Datatype	Accepted Values
LTCLimitOutDate	The LTC Limit Out date of the clip.	Date Time	
LTCOut	The LTC Out of the clip.	String	
LTCOutDate	The LTC Out date of the clip.	Date Time	
Level	The interest level for a clip.	Unsigned Character	
LimitDuration	The limit duration of the clip.	String	
LimitIn	The limit in of the clip.	String	
LimitInDate	The limit in date of the clip.	Date Time	
LimitOut	The limit out of the Clip.	String	
LimitOutDate	The limit out date of the clip.	Date Time	
LsmID	The Lsm ID of the clip (i.e. 123A/04 - means Page 1 - Bank 2 - Clip 3 - Camera A on Server 04).	String	
LsmSerialNum	The serial number of the server where the clip is online (i.e. 12340).	Integer	
Master Asset	The VBI of the clip.	Boolean	• False • True
MaterialID	The material ID of the clip (8 char).	String	
Metadata	The metadata values of the clip.	Metadata Object Values	
Mode	The mode of the clip.	Enumeration	• Hi • Lo • Mixed
Name	The name of the clip element (limited to 64 characters).	String	
NbVideo		String	

Name	Description	Datatype	Accepted Values
Online	Indicates if the clip is online or not	Boolean	• False • True
Owner	The owner of the clip.	String	
PrimaryTCType	The type of the primary TC (Source).	Primary TC	
Protected	The protected status of the clip.	Enumeration	• NotProtected • IpdProtected • AvspProtected • VdcpProtected • OdeticsProtected • LsmProtected • XFileProtected • GBitProtected • Unknown • SonyDD35Protected
PurgeDate	The purge date of the clip.	Date Time	
SLSMType	The SLSM type.	Enumeration	• Undefined • Normal • SLSM50 • SLSM33
SourceLouthID		String	
SourceName	The name of the source of the clip.	String	
StorageName	The name of the storage of the clip.	String	
TCIn	The TC In of the clip.	String	
TCInDate	The TC In date of the clip.	Date Time	
TCOut	The TC Out of the clip.	String	
TCOutDate	The TC Out date of the clip.	Date Time	
TapeID	The tape ID of the clip.	String	
ThumbnailPath	The file path of the thumbnail taken from the clip.	String	

Name	Description	Datatype	Accepted Values
Type	The type of the clip.	Enumeration	• Undefined • Xt • File • Stream
UmID	The UmID of the clip (must be unique on the XNet network) (8 char)	String	
UserLimitIn	The UserLimitIn of the clip.	String	
UserLimitInDate	The UserLimitInDate of the clip.	Date Time	
UserLimitOut	The UserLimitOut of the clip.	String	
UserLimitOutDate	The UserLimitOutDate of the clip.	Date Time	
UserTCIn	The UserTCIn of the clip.	String	
UserTCInDate	The UserTCInDate of the clip.	Date Time	
UserTCOut	The UserTCOut of the clip.	String	
UserTCOutDate	The UserTCOutDate of the clip.	Date Time	
VarID	The VarId of the clip.	String	
VBI	The VBI of the clip.	Boolean	• True • False
VideoBitrate	The video bitrate of the clip.	String	

Name	Description	Datatype	Accepted Values
VideoCodec	The video codec of the clip.		• N_A DNxHDLo • N_A DNxHDLo • DV_25 • DVCPro_50 • DVCPro_HD • IMX • MJPeg • MJPeg_LoRes • Mpeg1 • Mpeg2 • Mpeg2_I_Field • MPeg2_I_Frame • P2Proxy • ProRes_422_SQ • Unknown • Windows_Media • XDCAM_HD • XDCAM_Sub • H_264 • AVC_INTRA • MJPegEVS • DNxHD_8b_HI • ProRes_422_HQ • DVCPro_25 • Mpeg4 • DNxHD_10b_HI • ProRes_422_LT • XDCAM_HD_EX
VideoFormat	The video format of the clip	Enumeration	

IPDirector Edit Metadata

The table below gives an overview of the available edit metadata in IPDirector.

Name	Description	Datatype	Accepted Values
AspectRatio	The aspect ratio.	Enumeration	• N_A • AR_4_3_Letter_Box • AR_16_9 • AR_4_3_CROP • AR_1_1 • AR_221_1
AudioOutputType	The audio type of the edit.	Enumeration	• All stereo • 5.1 + 5x stereo • 2x 5.1 + 2x stereo
ConversionType	Conversion type for the aspect ratio of the edit.	Enumeration	• 4:3 -> 16:9 (PS) • 4:3 -> 16:9 (LB) • 16:9 -> 4:3 (PS) • 16:9 -> 4:3 (LB)
CreationDate	The creation date of the edit.	Date Time	
Description	The description of the edit.	String	
Duration	The duration of the edit.	String	
ID	The guid of the edit.	String	
InBins	The list of bins where the edit is.	List	
InitialTC	The start timecode of the edit.	String	
InterestLevel	The star rating assigned to the edit.	String	
KW	The keywords of the edit.	Keyword List	
Metadata	The metadata values of the edit.	Metadata Object Values	
Name	The name of the edit (limited to 64 characters).	String	
NrOfTracks	The number of video tracks.	Integer	

Name	Description	Datatype	Accepted Values
Owner	The owner of the edit.	String	
TapeID	The tape ID of the edit.	String	
ThirdPartyID	The external ID assigned to the edit.	String	
VarID	The VarId of the edit.	String	
VideoStandard	The video standard of the edit.	Enumeration	• PAL SD 625i • PAL HD 720p • PAL HD 1080i • NTSC SD 525i • NTSC HD 720p • NTSC HD 1080i

Adding a Column

To add a column, proceed as follows:

1. In the **Name** field, specify the column you want to be displayed in the Result pane of the IPMOSBrowser.
2. In the **IP-D** field, select the name of the clip metadata field to which the column is linked.
3. Click the **Add** button.
4. Click the **Save** button and reload the IPMOSBrowser to apply the changes.

   In the Result pane of the IPMOSBrowser a new column with the heading **Duration** will be added.

Deleting a Column

To delete a column, select it from the list and click the **Remove** button. Click on the **Save** button and reload the IPMOSBrowser to apply the changes.

Reordering a Column

To reorder a column, select it from the list and click the **Up** or **Down** button. Click on the **Save** button and reload the IPMOSBrowser to apply the changes.

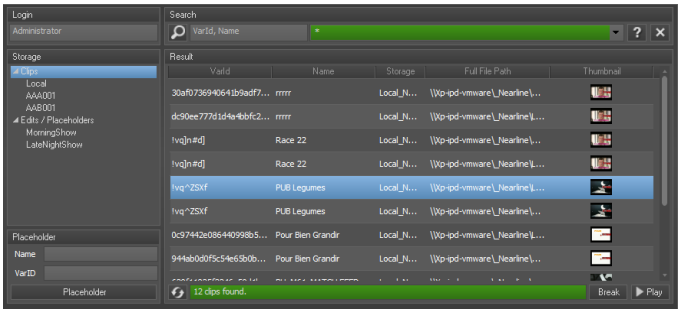
Adding Thumbnails

You can add a column with thumbnails of the clips to the Result pane of the IPMOSBrowser.

To do this, proceed as follows:

1. In the **Name** field, specify the column you want to be displayed in the Result pane of the IPMOSBrowser, for example Thumbnail.
2. In the **IP-D** field, select the name of the clip metadata field to which the column is linked: ThumbnailPath.
3. Click on the **Add** button.
4. Click on the **Save** button and reload the IPMOSBrowser to apply the changes.

   In the Result pane of the IPMOSBrowser a new column with the heading **Thumbnail** will be added. A thumb of each clip will be visible.



Updating Columns

To change the name of a column that is displayed in the Result pane of the IPMOSBrowser, proceed as follows:

1. In the **Fields** area, select the name of the column you want to modify.

   The **Update** button becomes available.
2. In the **Name** field, enter the new column name.
3. Click the **Update** button.
4. Click the **Save** button and reload the IPMOSBrowser to apply the changes.

   The new name of the column appears in the **Fields** area. In the Result pane of the IPMOSBrowser the column heading will be updated.

3.1.5. Adding a Global Filter

Introduction

The Global filter is the filter applied to the whole IPMOSBrowser and then to the Clips or Edits node. The global filter rules are the same as for the collection filters.

Procedure

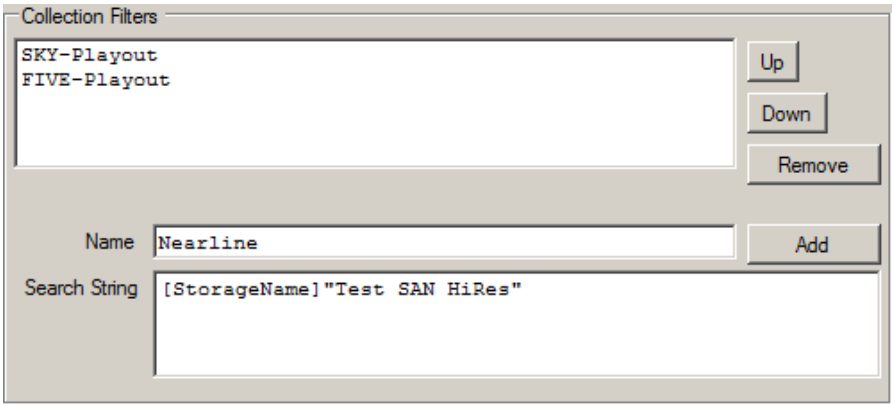
To add a global filter, proceed as follows:

1. Open the Clips or Edits tab.
2. In the **Name** field, type a global filter name.
3. In the **Search String** field, associate a search string. A search string is composed of the metadata field to search on (between brackets) and a search criterion (e.g. [StorageName] "XT_Blue".
4. Click on the **Add** button.
5. Click on the **Save** button and reload the IPMOSBrowser to apply the changes.

3.1.6. Adding Collection Filters

Introduction

The Collection Filters area displays the collection filters shown in the Filter pane of the IPMOSBrowser.



A collection filter is an item below the Clips and the Edit node in the Filter pane of the IPMOSBrowser.

Each collection is a filtering of the clip or edit list in the Result pane. Each storage collection is then a search condition.

Adding a Collection Filter

To add a collection filter, proceed as follows:

1. Open the Clips or Edits tab.
2. In the **Name** field, type a collection filter name.
3. In the **Search String** field, associate a search string. A search string is composed of the clip metadata field to search on (between brackets) and a search criterion (e.g. [Type] "Xt").
4. Click on the **Add** button.
5. Click on the **Save** button and reload the IPMOSBrowser to apply the changes.

Updating Collection Filters

To change the name or search string of a particular collection filter, proceed as follows:

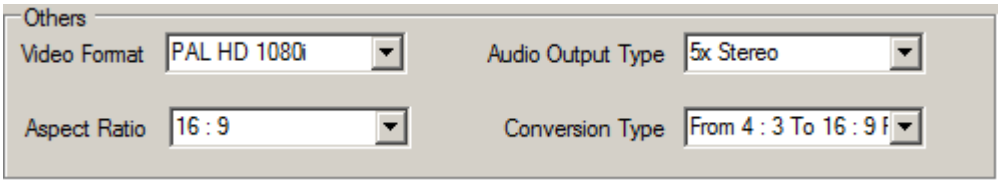
1. In the Collection Filters area, select the collection filter you want to modify.

   The **Update** button becomes available.
2. In the **Name** field, enter a new name or modify the existing one.
3. In the **Search String** field, enter a new search string or modify the existing one.
4. Click the **Update** button.
5. Click the **Save** button and reload the IPMOSBrowser to apply the changes.

3.1.7. Defining Default Edit Info Values

With the IPMOSBrowser it is possible to create edits in the IPDirector database. In the Others area of the Edits tab you can set a number of default Edit Info Values:

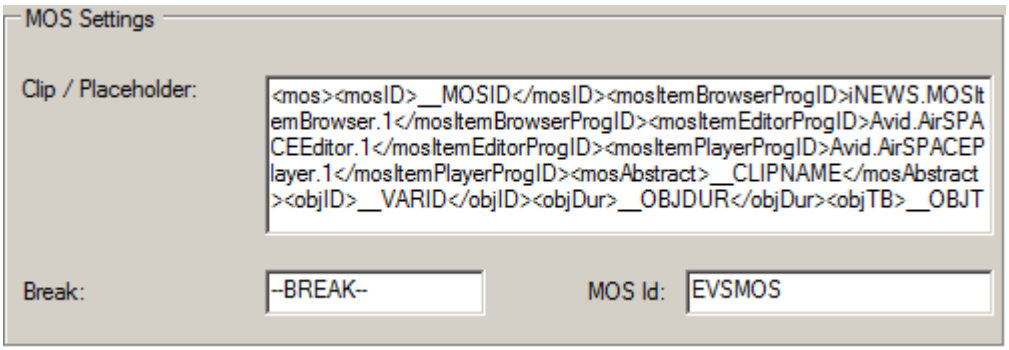
- Video Format
- Aspect Ratio
- Audio Output Type
- Conversion Type



Click **Save** to save your changes.

3.1.8. Defining the MOS Object Description of Clips and Placeholders

In the MOS Settings group box of the Configurations tab you can edit the MOS Object description for clips and placeholders.



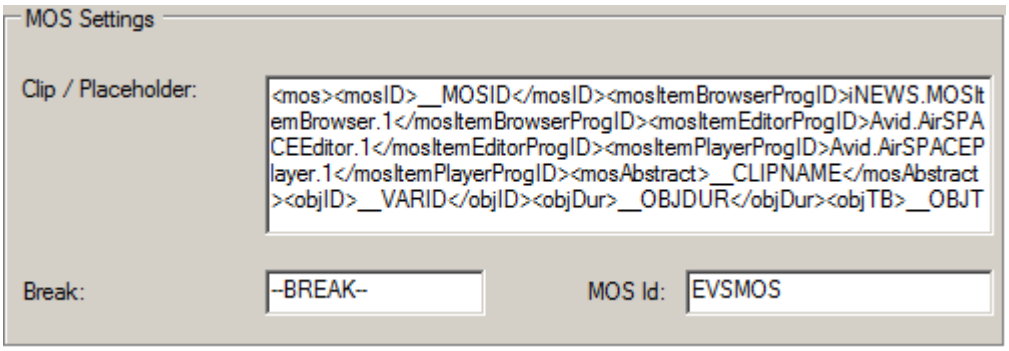
Warning
The MOS Object Description should always contain the following items: <mosID>_MOSID</mosID>, <mosAbstract>_CLIPNAME</mosAbstract>, <objID>_VARID</objID>, <objDur>__OBJDUR</objDur>, <objTB>__OBJTB</objTB>, <objSlug>__CLIPNAME</objSlug>, <objAir>__OBJAIR</objAir>.

Click **Save** to save your changes.

3.1.9. Defining the MOS Break Code

With the IPMOSBrowser you can add a MOS break code to a story using the **Break** button. If an "empty" story, i.e. a story with no video item attached to it, has the MOS break code string (by default "—BREAK—") in its Story Slug, it will be converted into a break and seen as a comment in the IPDirector playlist.

In the MOS Settings group box of the Configurations tab you can specify the MOS break code.



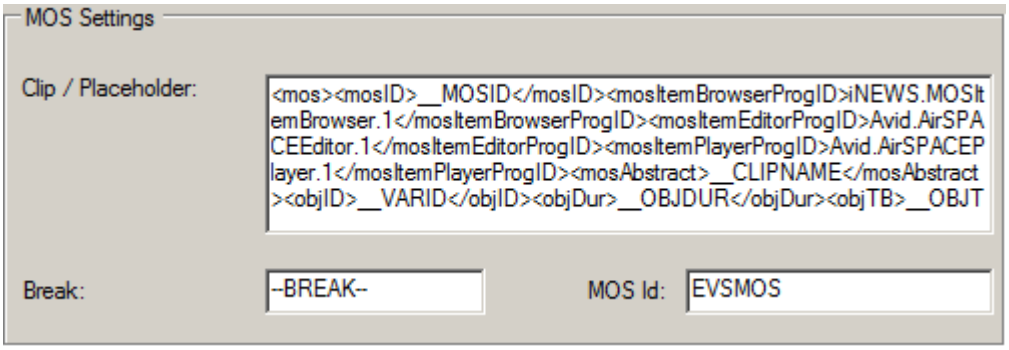
This MOS break code should be the same as the one configured in the IPMOSGateway settings. See the IPMOSGateway technical reference manual for more information.

Click **Save** to save your changes.

3.1.10. Defining the MOS ID

In the MOS Settings group box of the Configurations tab you can specify the MOS ID, i.e. the unique character name for the MOS (Media Object Server) within a particular installation. By default, this will be 'EVSMOS'. The Configurator will store this information in the registry of the machine on which IPMOSBrowser is installed.

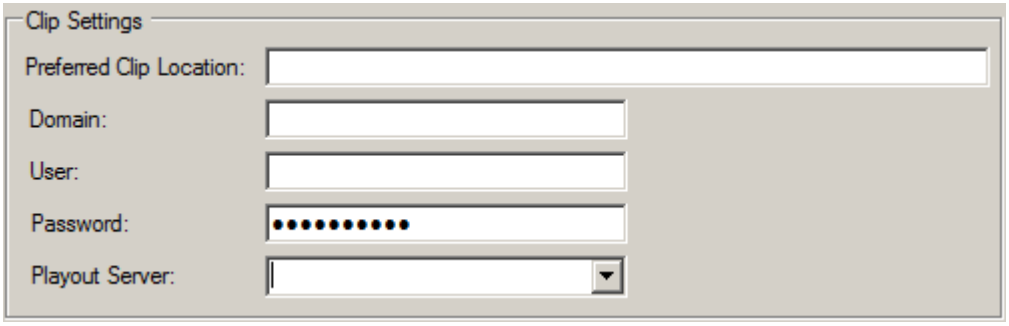
When the user links a clip, edit or placeholder to a story, IPMOSBrowser will look in the registry for the MOS ID and replace the '_MOSID' value in the MOS Object Description with the value found in the registry.



3.1.11. Defining the Preferred Clip Location

If a clip has multiple low-resolution video files stored on two or more storage locations, the same clip will be displayed multiple times in the Result pane of the IPMOSBrowser. When the user selects one of these instances to preview, the MOS ActiveX Player will use the original file path to retrieve the low-resolution video file.

In the **Preferred Clip Location** field of the Configurations tab you have the possibility to enter the path of the storage location where the MOS ActiveX Player has to retrieve the low-resolution video file of clips by default.



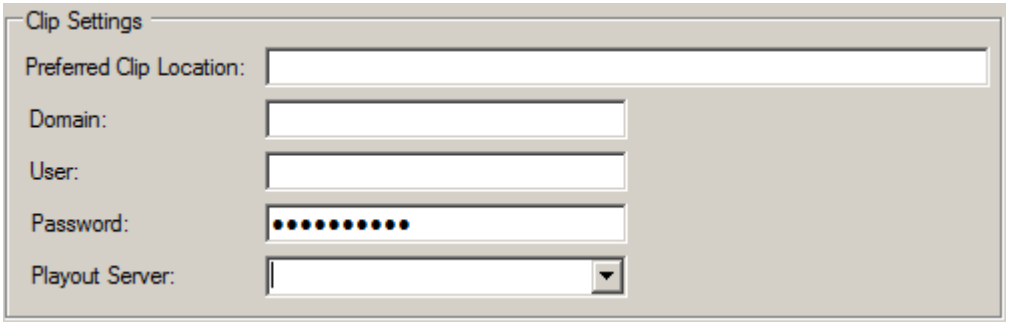
If the clip is not found on this storage location, the MOS ActiveX Player will use the original file path again.

Click **Save** to save your changes.

3.1.12. Modifying the MOS ActiveX Player Credentials

When installing IPMOSBrowser, you can enter the credentials (domain, username, password) the MOS ActiveX Player has to use to log into the location where the low-resolution video files are stored of the clips you want to preview. These credentials should only be entered if the account of the user has no access to the low-resolution storage location. See section "How to Install IPMOSBrowser" on page 2.

The Clip Settings area in the Configuration tab of the Configurator will display the credentials entered during the installation of IPMOSBrowser. It allows you to modify them if necessary.

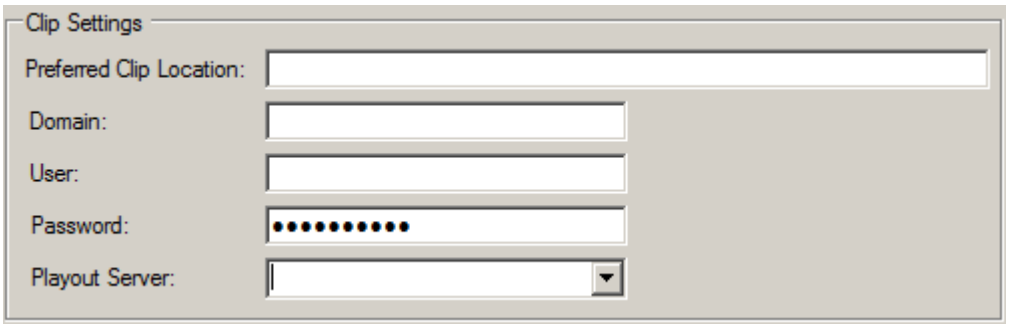


Click **Save** to save your changes.

3.1.13. Defining the Playout Server

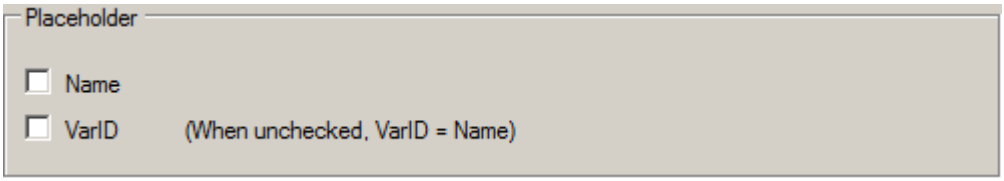
In the **Playout Server** field you have to select the name of the main EVS video server that will be used to play out the clips in a rundown.

When a user drags and drops a clip in a story, IPMOSBrowser will check if the clip has been loaded on the selected playout server and is ready to be aired. If this is the case, IPMOSBrowser will replace the value '_OBJAIR' in the MOS Object Description with the value 'READY'. If not, 'NOT READY' will be entered.



3.1.14. Activating the Placeholder Pane

In the Placeholder group box of the Configuration tab you can enable or disable the display of the Placeholder pane in the IPMOSBrowser. The Placeholder pane allows a user to drag placeholders for clips to stories in a rundown in the NCS system.



By default, the Placeholder pane is disabled. No check boxes are selected.

To activate the Placeholder pane in the IPMOSBrowser, select one or both of the check boxes in the Placeholder group box.

- If you only select the **Name** check box, the Placeholder pane will just display a **Name** field. If the user then drags a placeholder in the NCS rundown, then the IPMOSBrowser will take the name of the MOS object, i.e. clip or edit, as VarID.
- If you select the **VarID** check box, the Name check box is automatically selected and made unavailable. The Placeholder pane in the IPMOSBrowser will display a **Name** and **VarID** field.

Click **Save** to save your changes.

3.1.15. Enabling Logging

To enable logging by IPMOSBrowser, proceed as follows:

1. In the Logging area, select the check box to enable logging.

By default, this check box is not selected.

2. In the text field, specify the fully qualified path to the folder where the log files should be stored, or click **Browse** to search for it.

   By default, `C:\` is entered in the text field.

Tip
Make sure you have already created a log file folder.

3.2. Opening Ports in the Firewall

The following ports need to be opened on the firewall of the NCS client PCs for the IPMOSBrowser and the MOS ActiveX Player to operate:

- for the IPMOSBrowser: TCP port 31016
- for the MOS ActiveX Player: TCP port 445

The IPMOSBrowser uses the IPDirector API protocol. The MOS ActiveX Player uses the CIFS protocol.

3.3. Description IPMOSBrowser Registry Keys

Defined by the System Administrator

On a 32-bit machine the IPMOSBrowser configuration defined and stored by the system administrator can be found in the following registry keys:

- HKEY_LOCAL_MACHINE\SOFTWARE\EVS Broadcast Equipment\IPMosBrowser\

On a 64-bit machine the IPMOSBrowser configuration can be found in the following registry keys:

- HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\EVS Broadcast Equipment\IPMosBrowser\

Registry Key	Description	Default Value
Endpoint	URL of the IPDirector API.	`http://Local_Host:31016/IPWS/IPWSNode_V01`
EVSParam1	The credentials used by IPMOSBrowser to log into the clip location.	
logFilePath	The path were IPMOSBrowser will store its log files.	c:\
loggingEnabled	Indicates if IPMOSBrowser creates log files or not.	0 (= disabled)
Login	IPDirector login used to connect to the API.	Administrator
MosID	MOS ID used in the drag-and-drop of an object from the IPMOSBrowser.	EVS MOS
Password	IPDirector password used to connect to the API.	evs

Registry Key	Description	Default Value
Path	Installation folder of IPMOSBrowser	C:\Program Files\EVS Broadcast Equipment\IPMosBrowser\ or C:\Program Files (x86)\EVS Broadcast Equipment\IPMosBrowser\
PlayerPath	Path of the MOS ActiveX Player used to preview the low-resolution clips. This path should be entered for the MOS ActiveX Player to work.	C:\Program Files\EVS Broadcast Equipment\IPMosBrowser\Player\Player.exe or C:\Program Files\EVS Broadcast Equipment (x86)\IPMosBrowser\Player\Player.exe
showPlaceholder	Show/hide the placeholder fields in the IPMOSBrowser.	1 (= enabled)
Version	Version number of the IPMOSBrowser.	

Stored by the IPMOSBrowser

On a 32-bit machine the IPMOSBrowser contextual information stored by the IPMOSBrowser itself can be found in the following registry keys:

- HKEY_CURRENT_USER\SOFTWARE\EVS Broadcast Equipment\IPMosBrowser\

On a 64-bit machine the IPMOSBrowser configuration can be found in the following registry keys:

- HKEY_CURRENT_USER\SOFTWARE\Wow6432Node\EVS Broadcast Equipment\IPMosBrowser\

Registry Key	Description
columnWidths	Width of the columns when the IPMOSBrowser was closed.
searchFields	Columns on which the search is performed.
storageFilterName	Last storage used when the IPMOSBrowser was closed.

4. Using the IPMOSBrowser in Your NCS

4.1. IPMOSBrowser User Interface

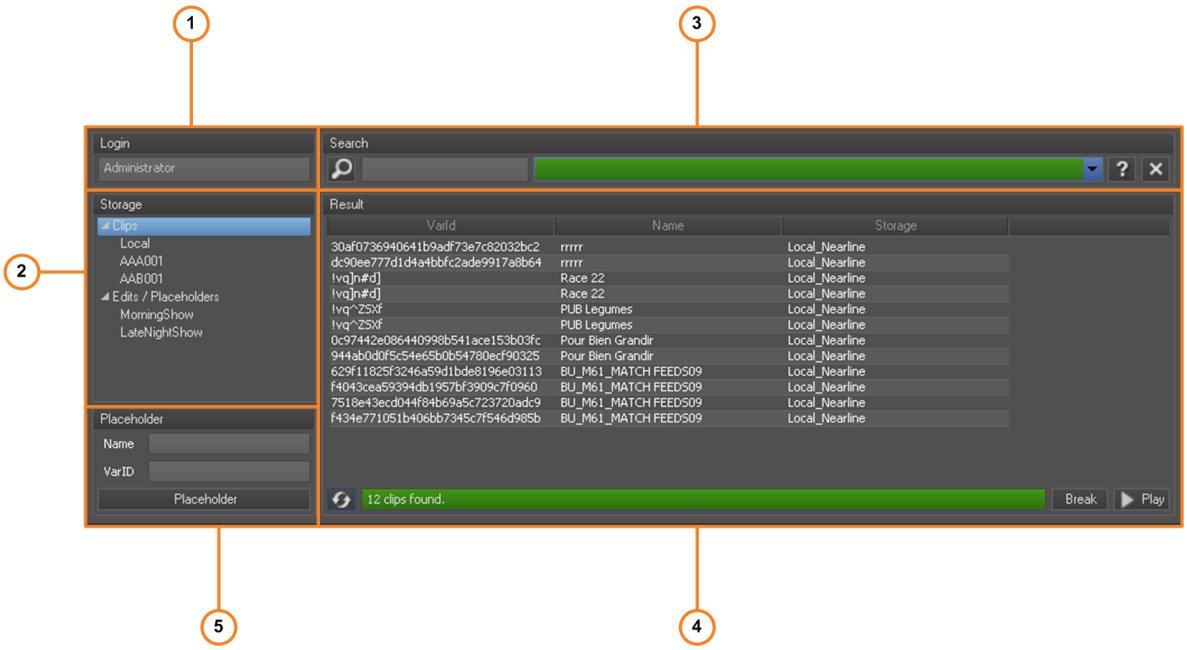
4.1.1. Overview

General Description

The main window allows you to search for clips and edits in the IPDirector database, preview low-resolution video clips in the ActiveX software player and link clips and placeholders for clips to a story in a running order of your NCS.

Illustration

The IPMOSBrowser window contains the areas highlighted on the screenshot below:



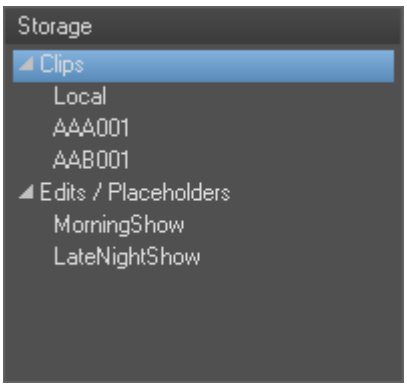
Area Description

The table below describes the various parts of the IPMOSBrowser:

#	Name	Description
1.	Login pane	The Login pane displays the username with which IPMOSBrowser is logged into the IPDirector SOAP API (Application Programming Interface). The username and password are configured in the IPMOSBrowser Configurator and cannot be changed here. See section "IPMOSBrowser Configurator" on page 14.
2.	Filters pane	This pane displays views on the clips and edits in the IPDirector database in the form of a tree structure. See section "Filter Pane" on page 38. These views have been configured in the IPMOSBrowser Configurator. See section "IPMOSBrowser Configurator" on page 14.
3.	Search pane	The Search pane allows you to search for specific clips and edits in the IPDirector database using free text search queries. See section "Search Pane" on page 39.
4.	Result pane	The Result pane displays the clips and edits that match the criteria of the view selected in the Filter pane and the search query performed by the user.
5.	Placeholder pane	This pane gives you the possibility to create and add a placeholder to a story in a rundown for a clip that does not exist yet in the IPDirector database. This pane has to be activated in the IPMOSBrowser Configurator. See section "IPMOSBrowser Configurator" on page 14.

4.1.2. Filter Pane

The Filter pane contains one or more filtered views on the IPDirector database. The filtered views are displayed in the form of a tree structure with two nodes or groups: Clips and Edits / Placeholders.



The Clips node is a view on the IPDirector database. If you select it, only clips will be returned in the Result pane.

The Edits / Placeholders node is also a view on the IPDirector database. If you select it, only edits and placeholders will be returned in the Result pane.

The Clips and Edits / Placeholders node can contain one or more filters on the clips or edits in the IPDirector database. If you select one of these filters, IPMOSBrowser will only return the clips or edits that match the criteria of the selected filter, for example only the clips that are stored on nearline storage X or only the edits the name of which starts with the letter 'N'.

Depending on the configuration of the IPMOSBrowser, the Clips and Edits / Placeholders node can also be a filter on the clips or edits in the IPDirector database.

When you launch IPMOSBrowser, the Clips node is selected by default and no search results are displayed.

The filters have to be configured in the IPMOSBrowser Configurator.

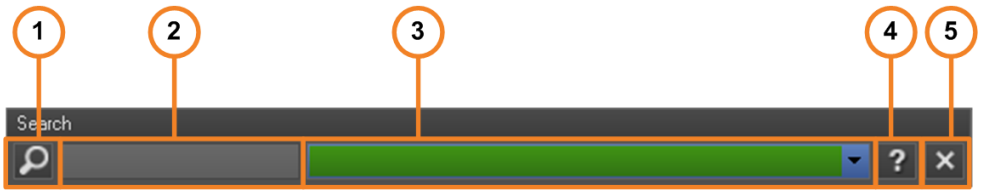
4.1.3. Search Pane

General Description

The Search pane allows you to search for clips or edits in the IPDirector database by entering free text in the **Search** field.

Illustration

The Search pane contains the areas highlighted on the screenshot below:



Area Description

The table below describes the various parts of the Search pane:

Part	Name	Description
1.	Column Filter button	This button gives you to access the columns of the Result pane allowing you to specify on which column your search has to be performed. By default, a search is performed on all the columns that are currently displayed in the Result pane. See section "Search on All / Specific Columns" on page 43.
2.	Selected Column Filters field	This field displays the columns of the Result pane on which your search will be performed. By default, this field is empty. See section "Search on All / Specific Columns" on page 43.
3.	Search field	This field allows you to search for clips or edits in the IPDirector database using free text search queries. The **Search** field has an autocomplete feature and a drop-down arrow for displaying the last 10 search queries. See section "Text Search" on page 42.
4.	Help button	This button lets you access the rules for using the **Search** field. See section "Text Search Syntax Rules" on page 44.
5.	Clear button	This button allows you to clear the **Search** field.

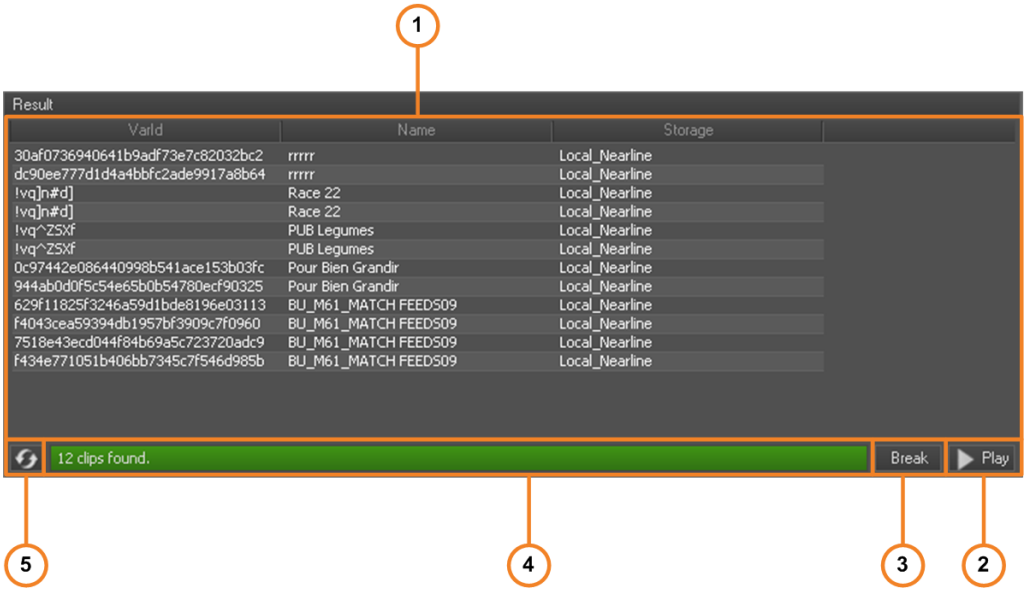
4.1.4. Result Pane

General Description

The Result pane displays the clips or edits that match the criteria of the filter selected in the Filter pane and the search you possibly performed.

Illustration

The Result pane contains the areas highlighted on the screenshot below:



Area Description

The table below describes the various parts of the Result pane:

Part	Name	Description
1.	Result grid	This area displays the clips, edits and placeholders that match the filter criteria and the search query in the form of a grid. You can sort them in ascending or descending order by clicking the header of one of the columns. The type and number of columns displayed here have to be configured in the IPMOSBrowser Configurator.
2.	Play button	The **Play** button allows you to play back the low-resolution version of a clip you selected in the Result grid or of a clip you dragged to the **Play** button.
3.	Break button	The **Break** button allows you to add a break line to a rundown.

Part	Name	Description
4.	Status bar	The Status bar at the bottom of the Result pane displays the number of clips or edits found.
5.	Refresh button	The **Refresh** button allows you to refresh the Result grid.

4.1.5. Placeholder Pane

The Placeholder pane allows you to create and add a placeholder to a story in a rundown of your NCS for a clip or edit that does not exist yet in the EVS system.

Depending on the configuration of IPMOSBrowser, this pane will be visible or not and contain one or two fields: **Name** or **Name** and **VarID**. In case only the **Name** field is available, IPMOSBrowser will take the name you enter as VarID for the clip or edit.

To link the placeholder for the clip or edit to the story, enter a name or a name and VarID, and then drag the **Placeholder** button to the story. Depending on the NCS you are working in, this procedure will slightly differ.

When the rundown is published to IPDirector through the IPMOSGateway, a playlist is created in IPDirector. The placeholder you added will become a virtual element in the playlist. It will be automatically linked to the video clip once this clip will arrive on the EVS system.

4.2. Performing a Search

4.2.1. Search Types

When the IPDirector database contains large amounts of data, it may become difficult to find a specific element. The IPMOSBrowser offers tools to restrict the list of elements displayed in the Result grid and speed up your search:

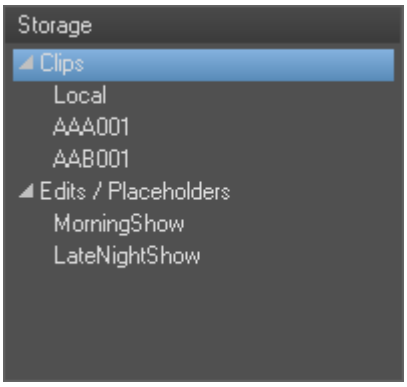
- Filter selection in the Filter pane - Select a filter in the Filter pane to limit the list to some item types.
- Text search - Enter free text in the **Search** field to perform a search on a specific string.

These search tools are explained in detail below.

These search tools can be combined.

4.2.2. Filter Selection in the Filter Pane

To narrow down the number of results in the Result pane, filters are provided on the IPDirector database. The filters are displayed in the form of a tree structure. There are filters for clips and filters for edits.



When a filter is selected, the text search you perform will be limited to the selected filter.

4.2.3. Text Search

Purpose

The Text Search is used to perform a search based on free text entered in the **Search** field. This field is available at the top of IPMOSBrowser.

See section "Search Pane" on page 39 for the description of the buttons associated to the **Search** field.

Users can enter a search string in the **Search** field in one of the three following ways.

- They enter the search string in full in the **Search** field.
- They click the arrow next to the **Search** field, so the last 10 searches are displayed, and they select one of them.
- They start typing a search string in the **Search** field, so the Autocomplete function displays a list of proposals, and they can select one of them.

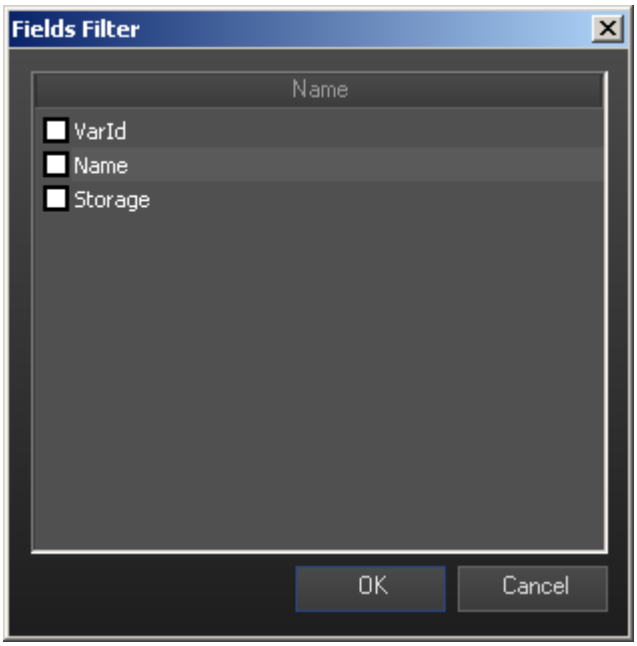
Search on All / Specific Columns

Search on All Columns

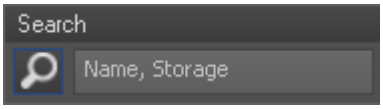
By default, the columns that are taken into consideration for the Text Search are the ones currently visible in the Result grid. You can narrow this down by clicking the **Fields Filter** button  and selecting the desired column.

Search on Specific Columns

To search on specific columns in the Result grid, click the **Column Filter** button  , select the desired columns. and then click **OK**.



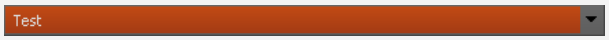
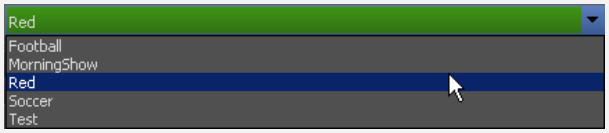
The selected columns will be displayed in the **Selected Column Filter** field.



Then you can perform the search in the **Search** field as usual.

Search Field Display

The following table shows the various displays for the **Search** field, and what they mean:

Display	Meaning
	The field background is gray: No search is entered or applied or entered.
	The field background is red:The user is typing or has typed a search string, but has not applied it yet.
	The field background is green: The user has applied the search string, by pressing **ENTER**. The result of the search is displayed in the Result pane.
	The down arrow next to the **Search** field gives access to the last 10 searched strings.

Text Search Syntax Rules

The **Search** field obeys specific rules which can be accessed via the **Help** button next to the **Search** field:  .

The string that you enter in the **Search** field is analyzed according to the following set of rules:

Search String	Search Result	Logical Equivalent
Yellow card	Searches for the words yellow and card, even if in two different fields (columns), for example yellow in Name and card in Keywords. For example a clip named "The Yellow Man" with keywords "Red Card" will be found, since it has yellow and card in 2 different fields.	"Yellow" AND "card"
"Yellow card"	Searches for exact matches of Yellow card. Between the quotes, all characters are considered as characters and not operators or wildcards.	"Yellow card"
card*	Searches for card at the beginning of a word.	"card"*

Search String	Search Result	Logical Equivalent
card	Searches for all words that include card.	*"card"*
=card	Searches for a whole field that contains only card. For example, if a field contains yellow card, the =card condition will not return any result.	

Autocomplete Function

The Autocomplete function is a help service for the capture of search string.

As soon as the users start typing in the **Search** field, the Autocomplete function provides a list of matching words and sentences known by the system and containing a word beginning with the typed letters.

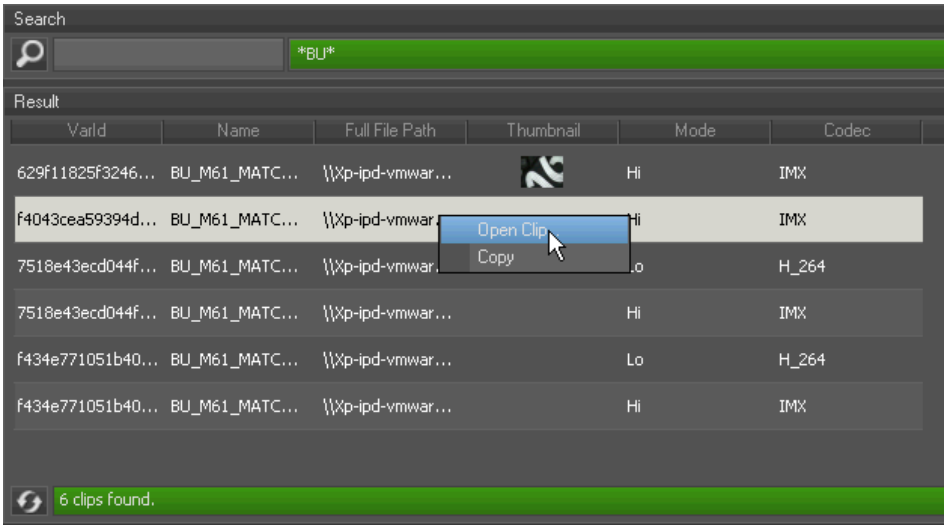
4.3. Previewing Clips

4.3.1. How to Preview a Clip

It should be noted that only the low-resolution video file of a clip can be previewed. The high-resolution version cannot be previewed.

The low-resolution version of a clip can be previewed in different ways:

- by double-clicking the clip in the Result grid
- by right-clicking the clip in the Result grid and selecting **Open Clip** from the contextual menu.

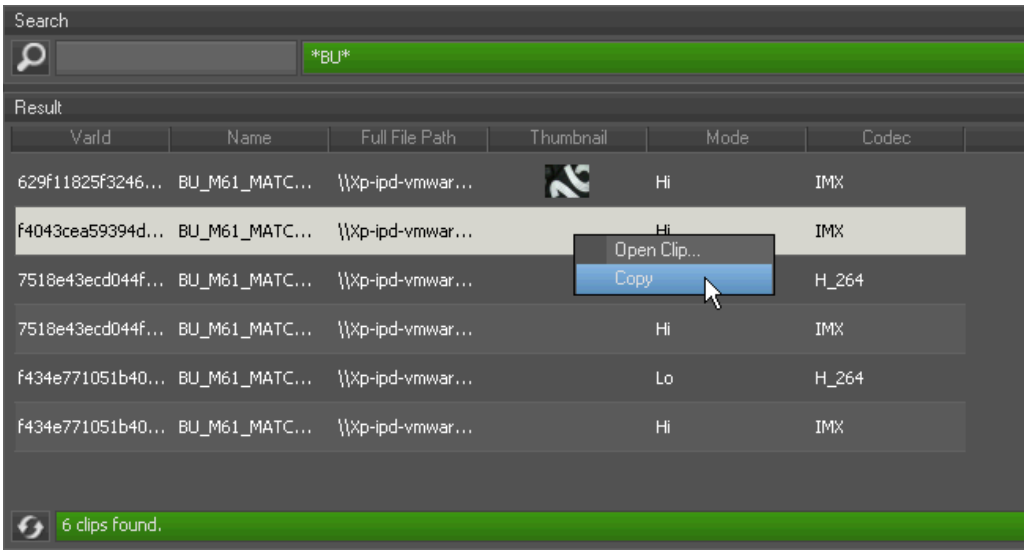


- by selecting a clip in the Result grid and clicking the **Play** button
- by dragging the clip in the Result pane onto the **Play** button.

If a low-resolution video file is found, the MOS ActiveX Player is launched. If no low-resolution video file is found, an error message appears.

4.3.2. Copying the VarID of a Clip or Edit

To quickly copy the VarID of a clip or and edit to the clipboard right-click the clip or edit in the Result grid and select **Copy** from the contextual menu.



4.3.3. MOS ActiveX Player Overview

General Description

The MOS ActiveX Player allows you to play back the low-resolution version of a particular clip. It also displays additional metadata about the clip.

Illustration

The main areas of the player are highlighted on the screenshot below:

Area Description

The table below describes the various parts of the MOS ActiveX Player:

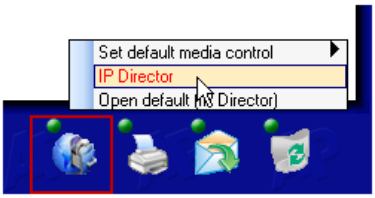
#	Name	Description
1.	Video Display	In this area the low-resolution video file is played back.
2.	TC In and TC Out	In this area the current TC In and TC Out of the loaded video file are displayed. The **Open** button is used to browse for and open a video file in the player.
3.	Timeline	This area is a visual representation of the duration of the video file. A Current Position Marker indicates the current position in the video file.
4.	Audio Channels	In this area you can switch between the left and right audio channel. With a slider you can raise or lower the audio volume. Volume meters indicate the volume level.
5.	Clip Metadata	In this area additional metadata about the clip is displayed. This metadata cannot be modified.
6.	Transport Buttons	With the transport buttons you can move through the loaded video file.

4.4. Using the IPMOSBrowser in AP ENPS

See the IPMOSGateway manual for more information on how to configure AP ENPS to be able to use IPMOSBrowser.

4.4.1. Launching the IPMOSBrowser (In Client V6)

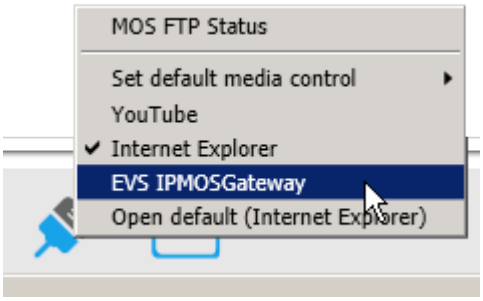
Click the rover (green dot) of the Media Control rover and select the name of the IPMOSBrowser as entered in the MOS Configuration window in AP ENPS. See the IPMOSGateway technical reference manual for more information.



The IPMOSBrowser connects with the IPDirector database through the IPDirector SOAP API (Application Programming Interface).

4.4.2. Launching the IPMOSBrowser (In Client V7)

To launch the IPMOSBrowser in the ENPS client v7, right-click the MOS icon in the NavBar at the bottom of the screen, and select **EVS IPMOSGATEWAY** from the menu.

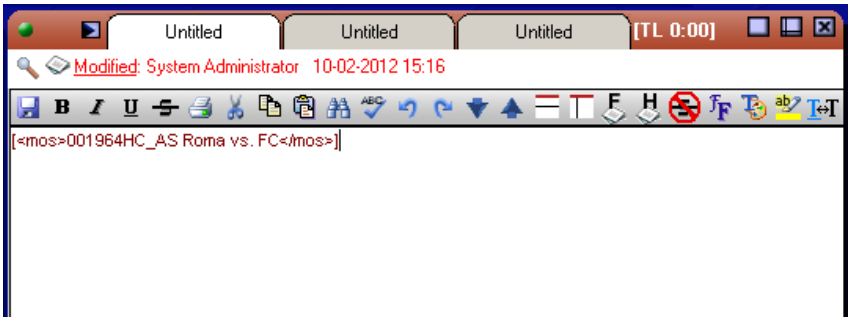


4.4.3. Linking a Clip or Edit to a Story (In Client V6)

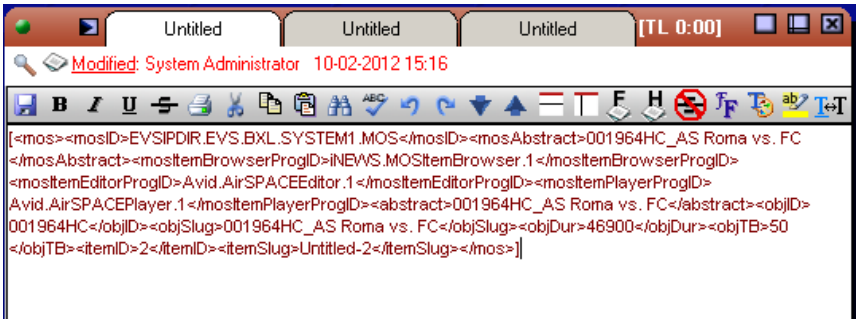
AP ENPS allows clips and edits to be included in stories via a drag-and-drop operation. To link a clip or edit to a story in a rundown using the IPMOSBrowser, proceed as follows:

1. In the IPMOSBrowser, search for and select the clip or edit in the Result pane you want to link to the story.
2. Drag the clip or edit into the story that is open in the Editing window. You should drop the clip or edit into the story at the point you want to play or execute it.

   You may see the clip or edit appear in the story as either a single line reference to the MOS object containing the MOS Abstract.



   If you click the rover of the editing window and select **Layout** > **Show commands**, you will see the full context of the MOS object tag:



3. Click the **Save** button.

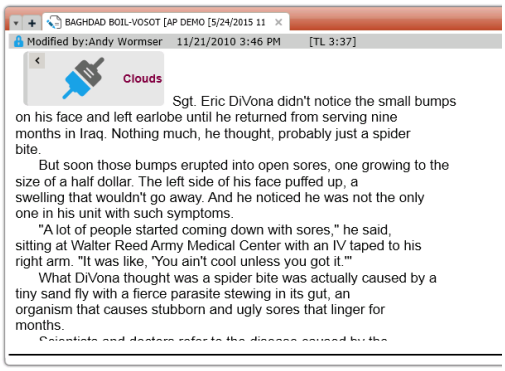
Note
You can add multiple clips or edits to a story.

When the rundown is published to IPDirector through the IPMOSGateway, a playlist element is created for the clip and a virtual playlist element is created for the edit.

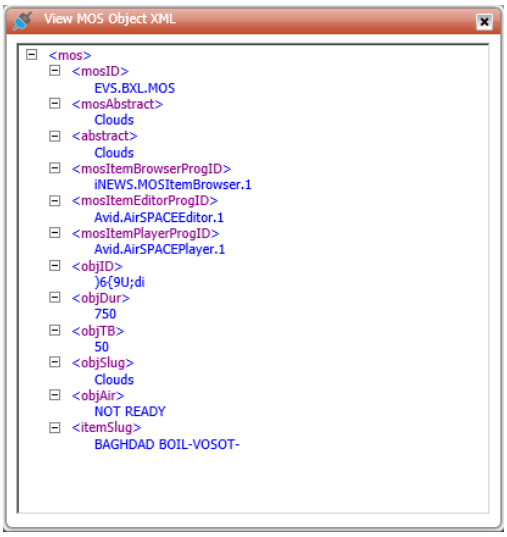
4.4.4. Linking a Clip or Edit to a Story (In Client V7)

AP ENPS allows clips and edits to be included in stories via a drag-and-drop operation. To link a clip or edit to a story in a rundown using the IPMOSBrowser, proceed as follows:

1. In the IPMOSBrowser, search for and select the clip or edit in the Result pane you want to link to the story.
2. Drag the clip or edit into the story that is open in the Editing window. You should drop the clip or edit into the story at the point you want to play or execute it.



Right-click the MOS object to see the full context of the MOS object tag:



3. Click the **Save** button.

Note
You can add multiple clips or edits to a story.

When the rundown is published to IPDirector through the IPMOSGateway, a playlist element is created for the clip and a virtual playlist element is created for the edit.

4.4.5. Adding a Placeholder for a Clip or Edit to a Story

IPMOSBrowser lets you create a placeholder for a clip and insert it into the accompanying story slug in the AP ENPS rundown.

To add a placeholder into the accompanying story slug in the AP ENPS rundown, proceed as follows:

1. Type the name (and VarID) of the clip in the corresponding fields of the Placeholder pane. If only the **Name** field is available, IPMOSBrowser will take the name you enter as VarID for the clip.

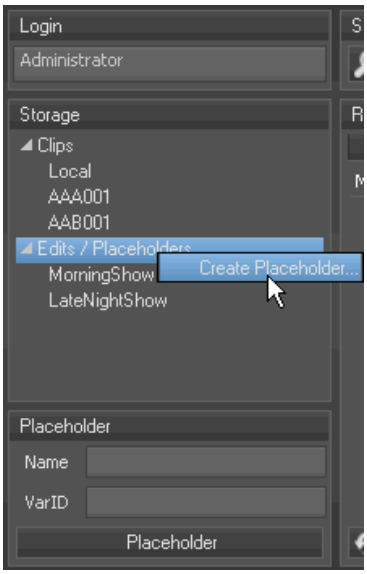
2. Drag the new placeholder from the IPMOSBrowser to the AP ENPS editing window.

   The script within AP ENPS now shows an embedded MOS Object, which represents the placeholder. When the rundown is published to IPDirector through the IPMOSGateway, a virtual element is created in the playlist for the story with the placeholder.

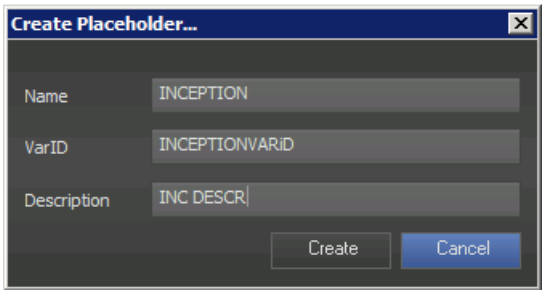
4.4.6. Creating Edits in IPDirector

It is possible to create an edit in IPDirector using the IPMOSBrowser. To do this, proceed as follows:

1. Right-click the Edits / Placeholders node in the IPMOSBrowser.
2. Click **Create Placeholder** in the contextual menu.



A dialog box appears that allows you to enter a name, VarID and description for the edit.



3. Click **Create** to create an edit in IPDirector. To abort your action click **Cancel**.

   IPDirector will create an edit with the name, VarID and description you entered. It will also take into account the default edit values that have been configured in the Configurator. See section "Defining Default Edit Info Values" on page 29.

4.4.7. Adding a Break Line to Rundown (In Client V6)

To add a break line to a rundown in the AP ENPS client V6 using the IPMOSBrowser, proceed as follows:

1. In the rundown, double-click the line of the story you want to turn into a break.

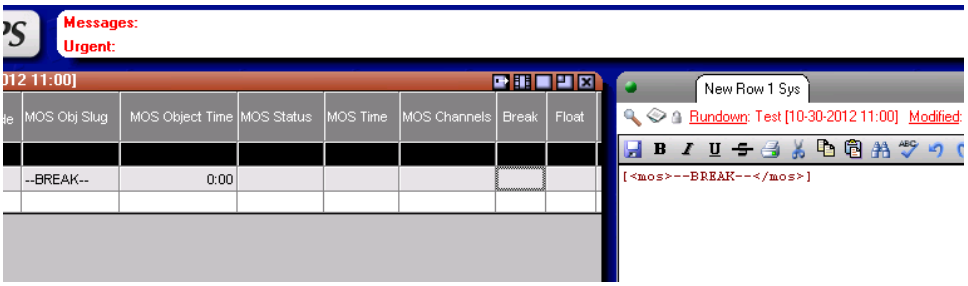
   The story opens in the Editing window.

2. Drag the **Break** button of the IPMOSBrowser into the Editing window.

   The MOS break code **--BREAK--** is added.

3. Click the **Save** button.

   In the **MOS Obj Slug** column the MOS break code appears.



4. Click the **Save** button.

   When the rundown is published to IPDirector through IPMOSGateway, the story will be converted into a break and seen as a comment in the IPDirector playlist.

4.4.8. Adding a Break Line to Rundown (In Client V7)

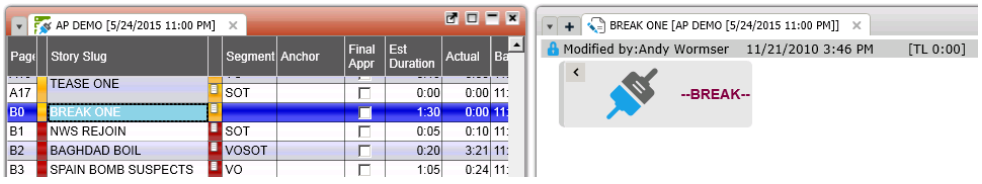
To add a break line to a rundown in the AP ENPS client V7 using the IPMOSBrowser, proceed as follows:

1. In the rundown, double-click the line of the story you want to turn into a break.

   The story opens in the Editing window.

2. Drag the **Break** button of the IPMOSBrowser into the Editing window.

   The MOS break code **--BREAK--** is added.



3. Click the **Save** button.

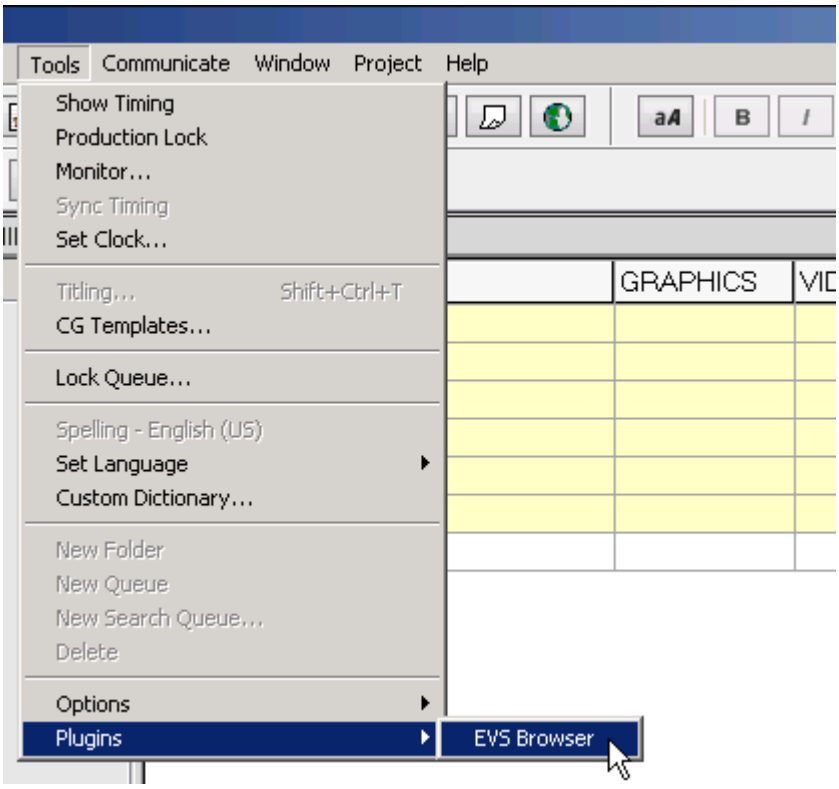
   When the rundown is published to IPDirector through IPMOSGateway, the story will be converted into a break and seen as a comment in the IPDirector playlist.

4.5. Using the IPMOSBrowser in AVID iNews

See the IPMOSGateway manual for more information on how to configure Avid iNews to be able to use IPMOSBrowser.

4.5.1. Launching the IPMOSBrowser

To launch the IPMOSBrowser in AVID iNews, open the **Tools** menu and select **Plugins > EVS Browser**.



The IPMOSBrowser connects with the IPDirector database through the IPDirector SOAP API (Application Programming Interface).

4.5.2. Linking a Clip or Edit to a Story

To link a clip or edit to a story in a rundown using the IPMOSBrowser, proceed as follows:

1. In the IPMOSBrowser, search for and select the clip or edit in the Result pane you want to link to the story.
2. Drag the clip or edit onto the story line in the rundown.

   The clip or edit name is displayed in the **MOS TITLE** column.

	SLUG	GRAPHICS	VID-ID	MOS-ACTIVE	MOS DUR	MOS TITLE	STATUS	CH	READ:	TOTAL:	BACKTIME	CG
	Item 01			NNNBM 20	0:20	News The Weather Forecast	ONLINE	-ll	0:00	0:00		OK
	Item 02			NNNBM 10	0:10	News Dow Jones in Freefall	ONLINE	-ll	0:00	0:00		OK
	Item 03			NNNBM 5	0:05	News Musk Interview	CUED	All	0:00	0:00		OK
	Item 04			NNNBM 10	0:10	News Dow Jones in Freefall	CUED	Bll	0:00	0:00		OK
	Item 05			NNNBM 120	2:00	News Star Wars The Force Awakens	ONLINE	All	0:00	0:00		OK
	Item 06			NNNBM 5	0:05	News Patriots Win	ONLINE	Bll	0:00	0:00		OK
	Item 08			NNNAM 5	0:05	News Euro in Decline			0:00	0:00		OK

3. Click on another story line for the changes to be applied in the AVID iNews database.

   When the rundown is published to IPDirector through the IPMOSGateway, a playlist element is created for the clip and a virtual playlist element is created for the edit.

4.5.3. Adding a Placeholder for a Clip or Edit to a Story

IPMOSBrowser lets you create a placeholder for a clip and insert it into an AVID iNews story.

To add a placeholder into a story, proceed as follows:

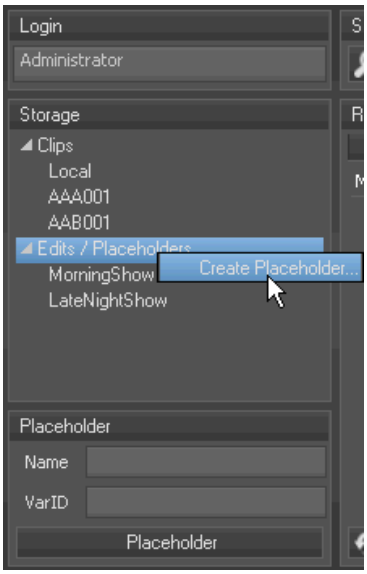
1. Type the name (and VarID) of the clip in the corresponding fields of the Placeholder pane. If only the **Name** field is available, IPMOSBrowser will take the name you enter as VarID for the clip.

2. Drag the **Placeholder**button from the IPMOSBrowser to the story. The placeholder name is displayed in the MOS TITLE column. When the rundown is published to IPDirector through IPMOSGateway, a virtual element is created in the playlist for the placeholder.

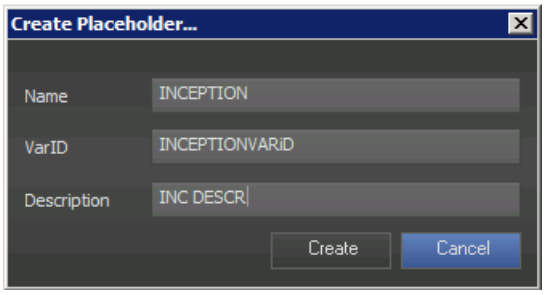
4.5.4. Creating Edits in IPDirector

It is possible to create an edit in IPDirector using the IPMOSBrowser. To do this, proceed as follows:

1. Right-click the Edits / Placeholders node in the IPMOSBrowser.
2. Click **Create Placeholder** in the contextual menu.



A dialog box appears that allows you to enter a name, VarID and description for the edit.



3. Click **Create** to create an edit in IPDirector. To abort your action click **Cancel**.

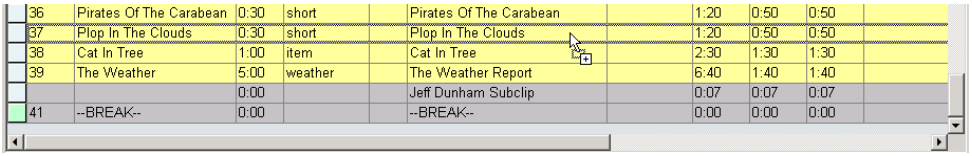
   IPDirector will create an edit with the name, VarID and description you entered. It will also take into account the default edit values that have been configured in the Configurator. See section "Defining Default Edit Info Values" on page 29.

4.5.5. Adding a Break Line to a Rundown

To change a story line in a rundown queue into a break line using the IPMOSBrowser Browser, proceed as follows:

1. In the IPMOSBrowser, drag the **Break** button 

to the story line in the rundown queue you want to turn into a break line.



	36	Pirates Of The Carabean	0:30	short		Pirates Of The Carabean		1:20	0:50	0:50
	37	Plop In The Clouds	0:30	short		Plop In The Clouds		1:20	0:50	0:50
	38	Cat In Tree	1:00	item		Cat In Tree		2:30	1:30	1:30
	39	The Weather	5:00	weather		The Weather Report		6:40	1:40	1:40
			0:00			Jeff Dunham Subclip		0:07	0:07	0:07
	41	--BREAK--	0:00			--BREAK--		0:00	0:00	0:00

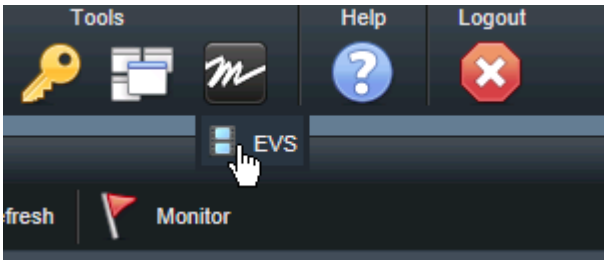
In the **MOS TITLE** column the MOS break code **--BREAK--** appears. When the rundown is published to IPDirector through IPMOSGateway, the story will be converted into a break and seen as a comment in the IPDirector playlist.

4.6. Using the IPMOSBrowser in Ross Video Inception News

See the IPMOSGateway manual for more information on how to configure Ross Video Inception News to be able to use IPMOSBrowser.

4.6.1. Launching the IPMOSBrowser

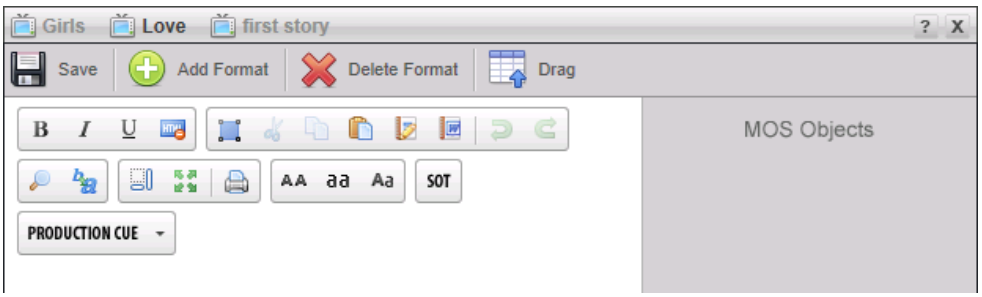
To launch the IPMOSBrowser in Inception News, click the MOS icon in the Tools bar and select **EVS**.



4.6.2. Linking a Clip or Edit to a Story

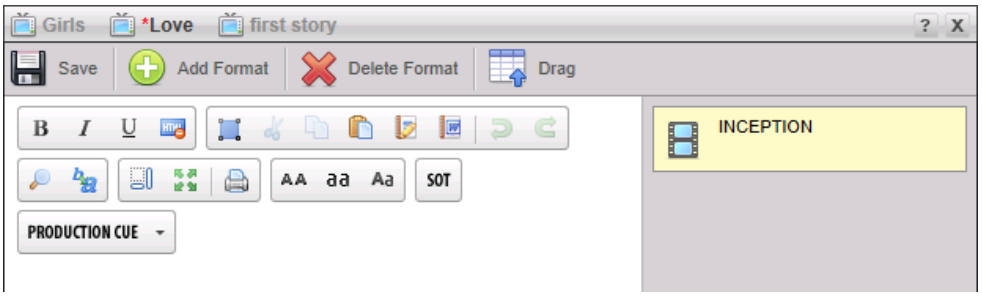
To link an existing clip or edit to a story in a rundown using the IPMOSBrowser, proceed as follows:

1. In the rundown, double-click the story to open it in the Editing window.



2. Use the IPMOSBrowser to search for the clip or edit you want to link.
3. Drag and drop the clip or edit to the MOS Objects area of the story that you just opened in the Editing window.

   A video file icon appears.



4. Click the **Save** button.

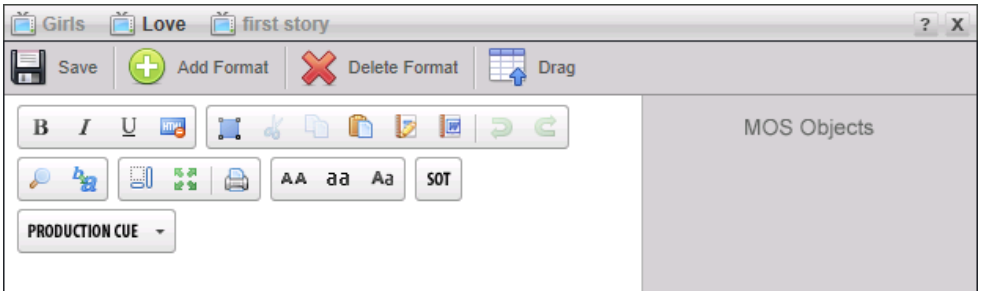
   In the rundown, the name of the clip or edit will appear in the **MOS ID** column and the IPMOSGateway MOS ID will appear in the **MOS Abstract** column of the story.

4.6.3. Adding a Placeholder for a Clip or Edit to a Story

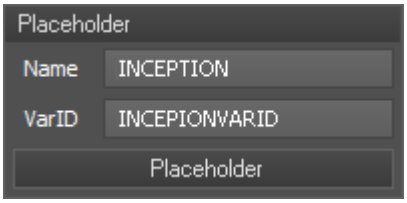
IPMOSBrowser lets you create a placeholder for a clip or edit that does not exist yet and link it to a story in a rundown.

To link a placeholder to a story, proceed as follows:

1. In the rundown, double-click the story to open it in the Editing window.

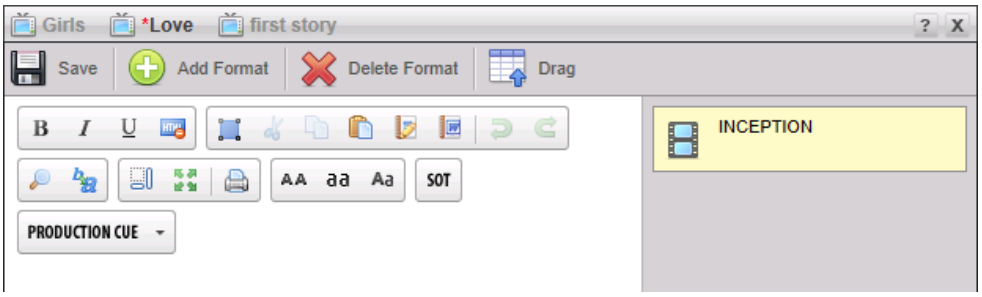


2. In the Placeholder pane of the IPMOSBrowser, enter a name (and VarID) for the clip or edit. If only the **Name** field is available, IPMOSBrowser will take the name you enter also as VarID.



3. Drag and drop the **Placeholder**button to MOS Objects area of the story that you just opened in the Editing window.

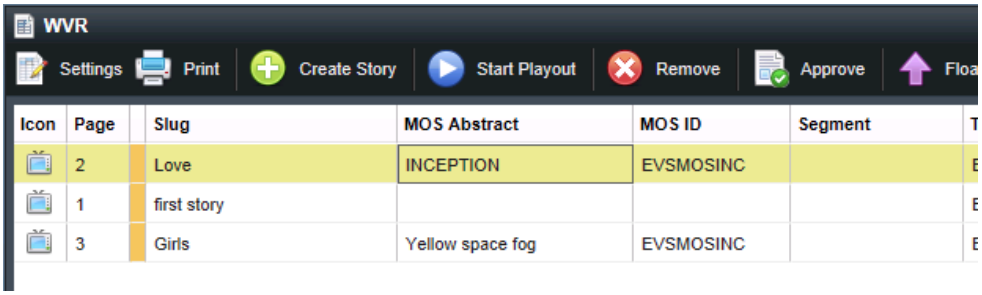
   A video file icon and the name of the clip or edit appear.



If you hover your cursor over the MOS Object, the MOS Object description appears.

4. Click the **Save** button.

   In the rundown, the name of the clip or edit appears in the **Name** column of the story and the IPMOSGateway MOS ID appears in the **MOS Abstract** column.

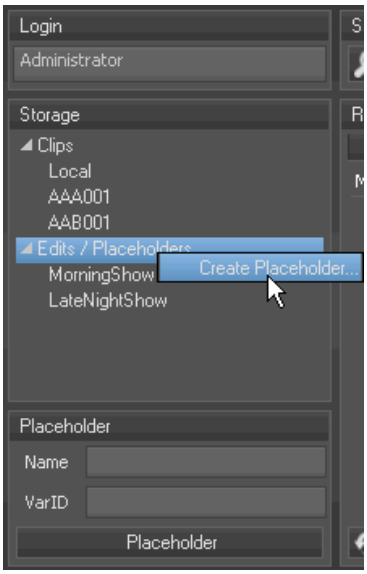


When the rundown is published to IPDirector through IPMOSGateway, a virtual element is created in the playlist for the placeholder.

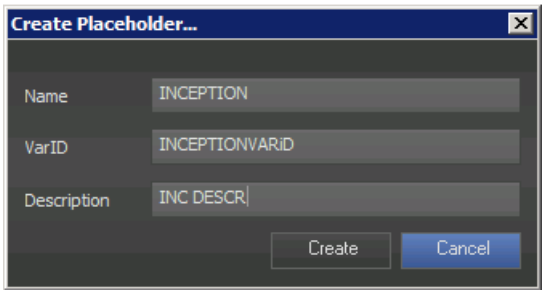
4.6.4. Creating Edits in IPDirector

It is possible to create an edit in IPDirector using the IPMOSBrowser. To do this, proceed as follows:

1. Right-click the Edits / Placeholders node in the IPMOSBrowser.
2. Click **Create Placeholder** in the contextual menu.



A dialog box appears that allows you to enter a name, VarID and description for the edit.



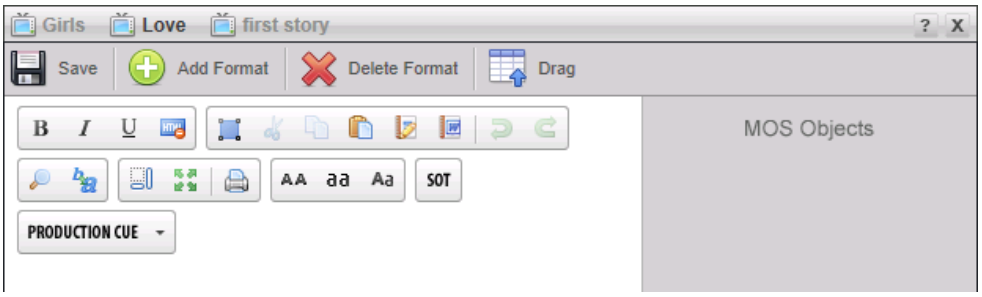
3. Click **Create** to create an edit in IPDirector. To abort your action click **Cancel**.

   IPDirector will create an edit with the name, VarID and description you entered. It will also take into account the default edit values that have been configured in the Configurator. See section "Defining Default Edit Info Values" on page 29.

4.6.5. Adding a Breakline to a Rundown

To change a story line in a rundown queue into a break line using the IPMOSBrowser Browser, proceed as follows:

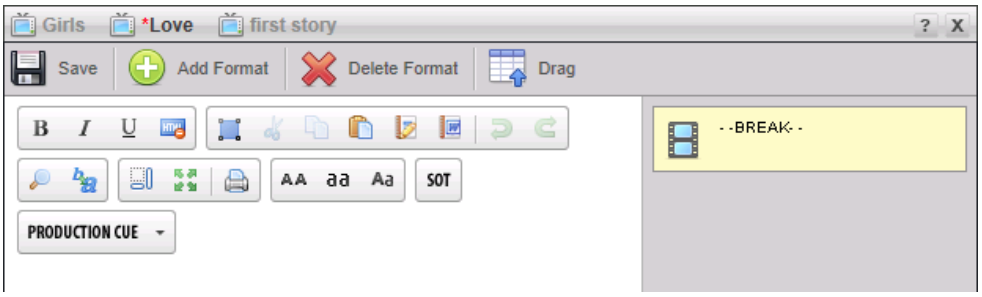
1. In the rundown, double-click the story to open it in the Editing window.



2. In the IPMOSBrowser, drag and drop the **Break** button 

to the story that you just opened in the Editing window.

   A video file icon with **--BREAK--** appears.



   If you hover your cursor over the MOS Object, the MOS Object description appears.

3. Click the **Save** button.

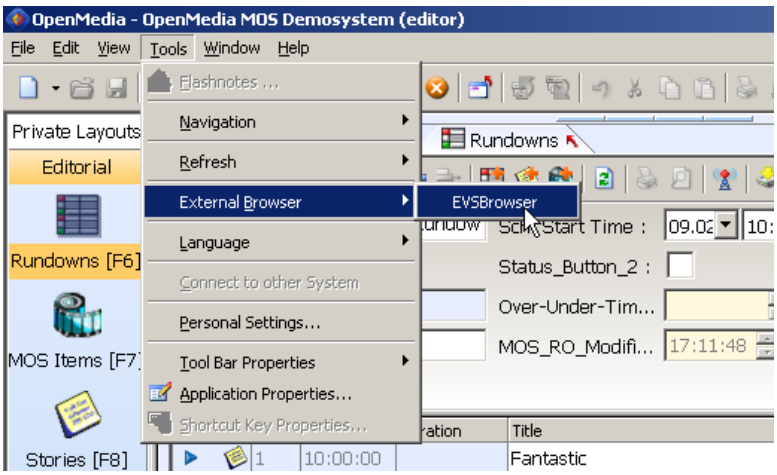
   In the rundown, **--BREAK--** will appear in the **MOS ID** column and the IPMOSGateway MOS ID will appear in the **MOS Abstract** column of the story.

   When the rundown is published to IPDirector through IPMOSGateway, the story will be converted into a break and seen as a comment in the IPDirector playlist.

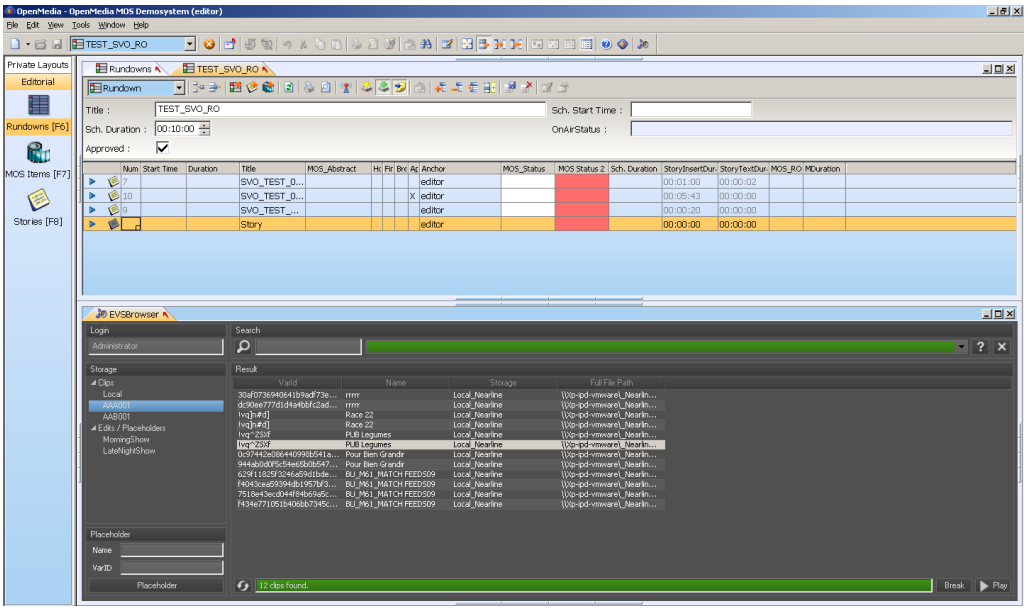
4.7. Using the IPMOSBrowser in Annova Systems Open Media

4.7.1. Launching the IPMOSBrowser

To launch the IPMOSBrowser in Open Media, open the **Tools** menu and select **External Browser > EVSBrowser**.



The IPMOSBrowser will appear in a separate pane.

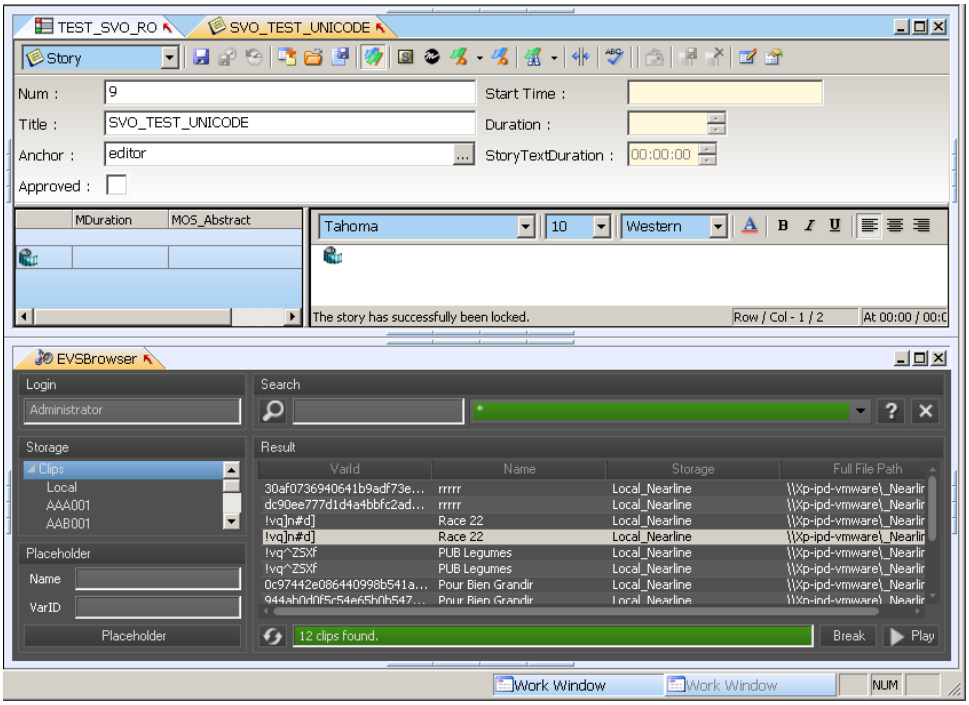


4.7.2. Linking a Clip or Edit to a Story

Annova System's Open Media allows clips and edits to be linked to a story by a drag-and-drop operation. To link a clip or edit to a story in a rundown using the IPMOSBrowser, proceed as follows:

1. In the IPMOSBrowser, search for and select the clip or edit in the Result pane you want to link to the story.
2. In the rundown, double-click the story to open it in a separate window.
3. Drag and drop the clip or edit from the Result pane to the story grid.

   The clip is represented by a position mark in the story text. The name of the clip or edit appears in the MOS_Abstract column.



4. Save the story.

   The clip or edit immediately appears in the rundown as an expandable sub-item of the story.

Note
You can add multiple clips to a story.

When the rundown is published to IPDirector through the IPMOSGateway, a playlist element is created for the clip and a virtual playlist element is created for the edit.

4.7.3. Adding a Placeholder for a Clip or Edit to a Story

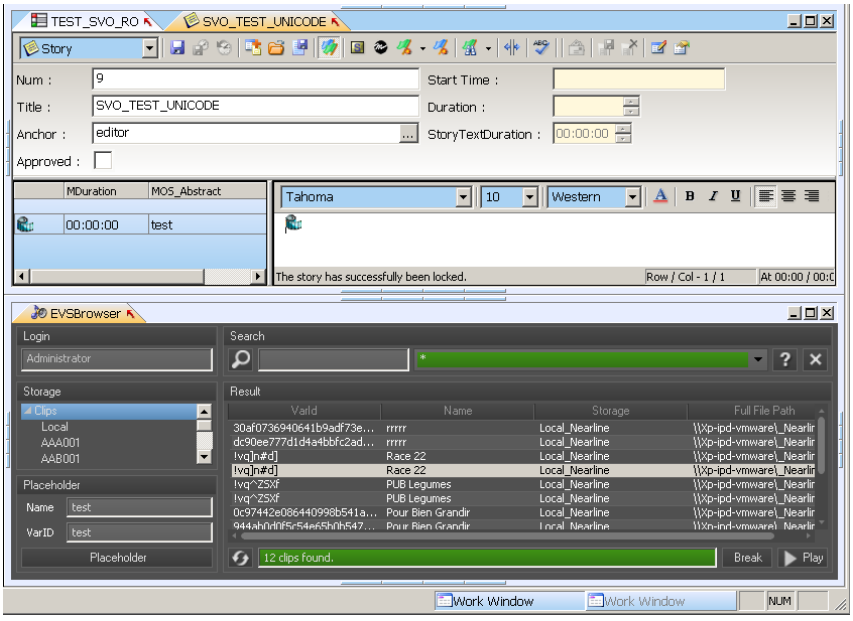
Annova System's Open Media allows placeholders to be linked to a story by a drag-and-drop operation. To link a clip to a story in a rundown using the IPMOSBrowser, proceed as follows:

To add a placeholder into a story, proceed as follows:

1. Type the name (and VarID) of the clip in the corresponding fields of the Placeholder pane. If only the **Name** field is available, IPMOSBrowser will take the name you enter as VarID for the clip.

2. In the rundown, double-click the story to open it in a separate window.
3. Drag and drop the **Placeholder** button to the story grid.

   The placeholder is represented by a position mark in the story text. The name of the placeholder appears in the **MOS_Abstract** column.



4. Save the story.

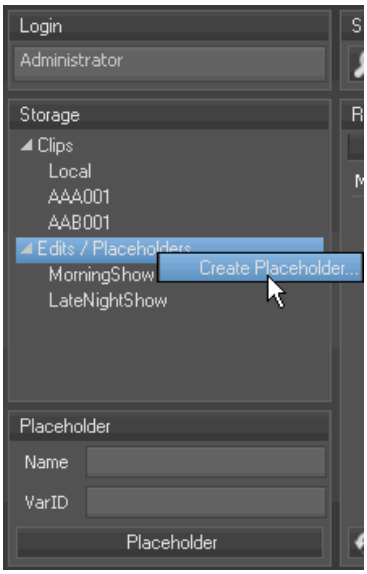
   The clip immediately appears in the rundown as an expandable sub-item of the story. When the rundown is pusblished to IPDirector through IPMOSGateway, a virtual element is created in the playlist for the story with the placeholder.

Note
You can add multiple placeholders to a story.

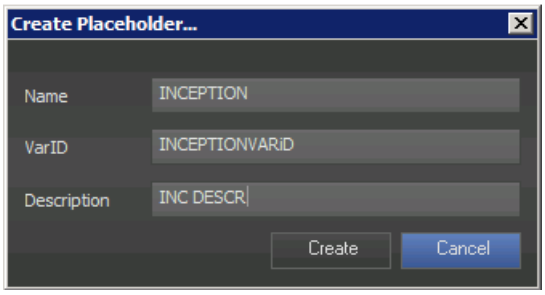
4.7.4. Creating Edits in IPDirector

It is possible to create an edit in IPDirector using the IPMOSBrowser. To do this, proceed as follows:

1. Right-click the Edits / Placeholders node in the IPMOSBrowser.
2. Click **Create Placeholder** in the contextual menu.



A dialog box appears that allows you to enter a name, VarID and description for the edit.



3. Click **Create** to create an edit in IPDirector. To abort your action click **Cancel**.

   IPDirector will create an edit with the name, VarID and description you entered. It will also take into account the default edit values that have been configured in the Configurator. See section "Defining Default Edit Info Values" on page 29.

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